

Section 17

Business Enterprise

Statistics in this section relate in general to the place and behavior of the business firm and business initiative in the American economy. The data include measures of and changes in the numbers of businesses; assets and liabilities of corporations; types of business income and expenditures; business sales and inventories; research and development expenditures; and patents and designs registered.

The principal sources of these data are the *Survey of Current Business* and its *National Income Supplement* published by the Office of Business Economics, Department of Commerce; the *Federal Reserve Bulletin* issued by the Board of Governors of the Federal Reserve System; and *Dun's Statistical Review* published by Dun and Bradstreet. Other sources are publications of the Securities and Exchange Commission, the Internal Revenue Service, and the United States Patent Office.

Firms in operation, entering, and leaving.—The number of firms in existence and the number of new, discontinued, and transferred businesses are estimated by the Office of Business Economics on the basis of data from the Internal Revenue Service and the Bureau of Old-Age and Survivors Insurance.

A business firm is defined by the Office of Business Economics as a business organization under a single management and may include one or more plants or outlets; a firm doing business in more than one industry is classified by industry according to the major activity of the firm as a whole. A self-employed person is considered a firm only if he has either one or more employees or has an established place of business. This count of firms differs from that of the Bureau of the Census which ordinarily represents a count of establishments, e. g., manufacturing plants or retail stores, larger than a minimum specified size.

New businesses include firms which are newly established; discontinued businesses refer only to liquidations. Business transfers represent purchases of going businesses, acquisitions of businesses through inheritance, transfers of businesses to a trustee or executor, as well as changes in the form of business organization.

Industrial and commercial failures.—These data are collected by Dun and Bradstreet, and are available by years since 1857 and by months since 1900. The number of failures includes concerns involved in court proceedings or voluntary actions likely to end in loss to creditors; discontinuances with outside obligations paid in full are not included. Data cover manufacturers, wholesalers, retailers, building contractors, and certain types of commercial service, but do not encompass all business enterprises. Specific types of business not listed are: Finance, insurance, and real estate companies; railroads and steamship lines; amusement enterprises. Failures data are published monthly in summary form in *Dun's Review & Modern Industry* and in detailed tabulations in *Dun's Statistical Review*.

Corporate assets and liabilities.—Data on corporate assets and liabilities are from the Internal Revenue Service and the Securities and Exchange Commission. In its annual report, *Statistics of Income*, Part 2, the Internal Revenue Service presents abbreviated balance sheet and income account data for all United States corporations. In a quarterly release entitled *Net Working Capital of U. S. Corporations*, the Securities and Exchange Commission publishes data on the net working capital position of all United States corporations, exclusive of banks and insurance companies, showing the principal components of current assets and liabilities.

Note.—This section presents data for the most recent year or period available on April 15, 1957, when the material was organized and sent to the printer. In some instances, more recent data were added later.

Corporate income, profits, dividends, and taxes.—Several agencies (the Internal Revenue Service, the Office of Business Economics, and the Federal Reserve Board) compile corporate income account data. These data, however, are not comparable because of differing methods of compilation.

The Internal Revenue Service publishes corporate data based on income tax returns in its annual *Statistics of Income*, Part 2.

The corporate data issued by the Office of Business Economics are a part of its national income and product accounts and are defined as required for purposes of national income estimation. The primary sources of data for the Office of Business Economics estimates of profits, taxes, dividends, and undistributed profits are the original corporate tax returns submitted to the Internal Revenue Service, and summarized in the annual report on *Statistics of Income*, Part 2. Various adjustments of the *Statistics of Income* data have been required by the national income treatment, particularly with respect to depletion, capital gain or loss, and intercorporate dividends, and because the original corporate income statements do not represent the final stage of information.

Federal Reserve Board data relating to profits and dividends apply to particular industrial segments only, such as large manufacturing corporations and public utility corporations.

Sources and uses of corporate funds.—These data indicate capital requirements of corporations and the manner in which they are financed. Sources of funds are equal to their uses. Certain discrepancies, however, apart from errors in estimation, interfere with this equality. These discrepancies are not particularly significant and are due to omission of such factors as (1) money accruing to corporations from an excess of sales over purchases of used plant and equipment, (2) transactions in securities held as permanent investments except public offerings, and (3) the fact that net new issues omit entrepreneurial capital for new corporations where no offering or sales of securities are made to the public or to institutions. Neither is liquidation of such corporations reflected.

Business sales and inventories.—Business sales and inventories are defined as the sum of data for manufacturing, wholesale, and retail trade. Sales are estimated aggregate values and inventories are book values at the end of the year. Sales signifies sales or shipments for retail and wholesale trade and billings or shipments for manufacturing. Trade inventories are valued at cost of merchandise on hand, while manufacturer's inventories are valued at the cost price or market price, whichever is lower. The data on sales and inventories for manufactures are based on annual data through 1953, published by the Internal Revenue Service in *Statistics of Income*, Part 2, with an adjustment for unincorporated manufacturing concerns.

Net change in business inventories.—To ascertain net physical change in nonfarm inventories, book values of beginning and ending inventories of each year are expressed in terms of constant base year prices by means of selected Bureau of Labor Statistics wholesale price indexes appropriate to each industry. Net increment in deflated book value figures is then converted to a current price basis by index ratios of current prices to base year prices. No inventory valuation adjustment is shown for farm inventories because change in farm inventories is estimated (by the Department of Agriculture) from physical quantity data.

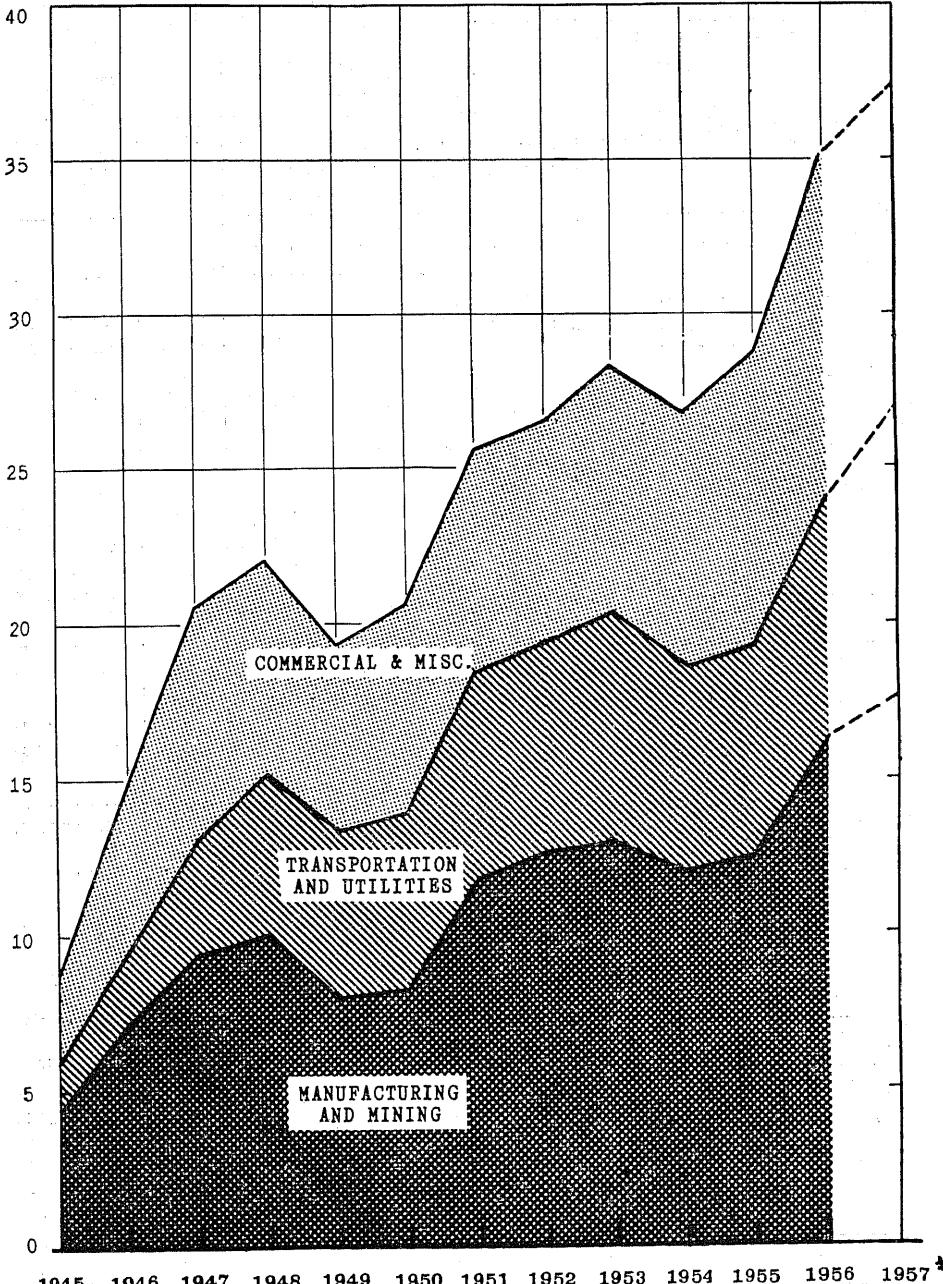
Plant and equipment expenditures of U. S. business.—A joint survey by the Securities and Exchange Commission and the Department of Commerce presents quarterly data on actual expenditures of U. S. business, other than agriculture, and anticipated expenditure for the next two quarters. In addition, a survey is made at the beginning of each year of plans of business as regards capital expenditures during that year. The data are based on reports submitted by corporations registered with the Securities and Exchange Commission and by a large sample of nonregistered companies, unincorporated as well as corporate, reporting to the Department of Commerce.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series P 176-187") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

FIG. XXVIII.—BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1945 TO 1957

[Excludes agriculture. See table 604]

BILLIONS OF DOLLARS



*Anticipated by business.

Source: Securities and Exchange Commission and Department of Commerce, Office of Business Economics.

No. 585.—AVERAGE NUMBER OF FIRMS IN OPERATION, 1929 TO 1956, AND NEW AND DISCONTINUED BUSINESSES, 1940 TO 1956

[In thousands. Data are for continental United States. Excludes firms in agriculture and the professional services. New businesses include only firms which have been newly established; going concerns which have been purchased are considered business transfers. Discontinued businesses include closures of all kinds without reference to reason for discontinuing—e.g., failure, retirement, illness of proprietor, etc.]

STATUS OF FIRMS AND YEAR	All industries	Mining and quarrying	Contract construction	Manufacturing	Transportation, communication, and other public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Service industries
FIRMS IN OPERATION									
Annual averages:									
1929	3,029.0	36.3	233.8	257.0	119.5	148.1	1,327.0	316.2	590.9
1930	2,998.7	33.4	230.2	228.1	116.0	146.6	1,325.5	315.2	598.7
1933	2,782.1	32.8	185.4	166.8	107.6	141.8	1,291.2	281.7	574.9
1935	2,901.9	35.5	180.2	205.0	127.2	157.0	1,387.2	283.8	615.8
1940	3,290.8	35.6	198.8	226.0	149.6	186.4	1,567.4	300.6	626.3
1945	3,113.9	32.2	176.8	258.4	144.2	196.9	1,403.5	310.3	591.5
1950	4,050.7	37.0	370.5	320.7	179.5	266.2	1,815.8	325.5	735.6
1951	4,108.5	37.4	388.6	327.2	182.7	278.1	1,834.0	329.9	735.5
1952 ¹	4,167.4	38.1	411.0	328.8	184.0	280.5	1,850.8	334.7	739.5
Number in operation as of June 30—									
1951	4,116.9	37.5	390.7	328.8	183.3	273.7	1,830.4	330.3	736.3
1952	4,175.4	38.1	414.0	329.6	183.8	280.9	1,853.6	335.0	740.4
1953	4,205.7	38.4	432.3	326.6	184.1	285.0	1,859.2	338.2	741.9
1954	4,196.7	38.8	443.1	317.6	178.8	287.1	1,850.7	340.2	742.3
1955	4,232.3	(2)	465.6	311.4	(2)	289.9	1,857.3	(2)	745.0
1956 (prel.)	4,301.0	(2)	48.00	310.0	(2)	293.0	1,889.0	(2)	754.0
NEW BUSINESSES									
1940	275.2	5.3	21.9	29.2	16.7	20.4	117.9	14.7	49.2
1945	422.7	4.0	55.8	37.2	26.7	30.2	161.4	22.9	84.5
1950	348.2	4.1	64.1	30.0	21.4	21.6	133.0	18.6	55.5
1951	363.2	4.3	63.1	31.0	24.5	22.6	140.0	21.2	56.6
1952	368.9	4.2	69.5	28.5	23.9	22.7	141.4	19.3	54.3
1953	340.5	3.8	64.2	26.5	19.1	20.5	135.4	18.3	52.7
1954	334.2	4.0	61.5	22.7	18.7	19.9	135.2	19.0	53.2
1955 (first half)	210.2	2.8	40.9	14.9	12.4	11.7	81.8	12.8	32.8
1955 (second half)	170.2	2.5	30.0	11.4	9.9	9.6	69.4	10.3	27.1
1956 (first half)	223.9	3.0	41.0	16.2	14.0	12.4	86.8	13.8	36.7
1956 (second half)	156.9	2.0	23.8	10.6	9.8	9.4	65.4	9.7	26.3
DISCONTINUED									
1940	318.1	3.6	30.0	21.7	20.7	13.9	137.6	16.8	73.7
1945	175.6	3.0	16.9	26.4	13.5	7.3	59.2	11.2	38.3
1950	289.6	3.7	39.2	24.7	18.3	16.3	115.0	14.5	57.8
1951	309.3	3.7	46.7	26.4	23.4	15.2	123.7	16.1	54.1
1952	306.4	3.7	45.5	29.1	20.4	15.8	125.7	15.4	50.8
1953	334.0	3.7	50.6	31.5	23.9	17.8	138.5	15.4	52.6
1954	330.6	3.2	46.7	32.1	23.0	18.0	139.0	16.9	51.6
1955 (first half)	166.9	(2)	21.4	16.0	(2)	9.4	70.6	(2)	28.3
1955 (second half)	155.0	(2)	26.9	14.1	(2)	9.0	59.0	(2)	26.4
1956 (first half, prel.)	170.0	(2)	30.0	15.0	(2)	10.0	65.0	(2)	29.0
1956 (second half, prel.)	157.7	(2)	23.0	14.0	(2)	9.0	60.0	(2)	26.0
TRANSFERS									
1945	473.2	2.4	9.9	21.3	11.9	15.7	307.6	21.5	82.9
1950	419.4	2.3	14.8	20.6	10.2	14.4	277.8	16.1	63.1
1951	378.3	2.1	12.7	16.9	8.5	11.6	253.8	15.3	57.3
1952	374.9	2.1	13.8	17.5	8.6	13.4	251.4	13.8	54.2
1953	356.2	1.9	14.1	16.4	8.1	12.8	237.6	12.9	52.4
1954	319.7	1.6	12.2	13.3	7.4	10.9	216.0	11.9	46.3
1955 (first half)	176.3	0.9	6.6	7.5	4.2	6.0	117.7	6.9	26.4
1955 (second half)	160.7	0.8	5.3	6.2	3.2	5.0	102.6	5.5	22.2
1956 (first half)	186.1	1.0	7.4	7.7	4.5	6.5	123.7	7.2	28.1
1956 (second half)	141.2	0.7	5.1	5.7	3.2	5.2	94.8	5.4	21.0
ITEM	1945	1949	1950	1951	1952	1953	1954	1955	1956
New incorporations ³	436.1	85.5	92.9	83.6	92.8	102.5	117.2	139.7	140.8

¹ Not available after 1952.

² Not available.

³ Compiled by Dun and Bradstreet, Inc.

⁴ July to December only.

BUSINESS POPULATION

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No. 586.—NUMBER OF FIRMS IN OPERATION, BY STATES AND REGIONS: 1950, 1951, AND 1954

[In thousands. As of January 1. Based on data from Bureau of Old-Age and Survivors Insurance. Firms doing business in more than 1 State counted only once and classified in State of firm's reporting headquarters]

REGION AND STATE	1950	1951	1954	REGION AND STATE	1950	1951	1954
United States	4,008.7	4,067.3	4,185.3	Southwest	300.7	310.4	336.8
New England	270.3	272.1	270.0	Arizona	19.8	19.9	20.0
Connecticut	60.9	61.0	63.5	New Mexico	16.5	17.2	20.6
Maine	27.2	27.8	27.3	Oklahoma	54.5	56.2	59.9
Massachusetts	131.1	131.5	127.3	Texas	209.9	217.2	236.4
New Hampshire	17.0	17.4	16.7	Central	1,103.2	1,111.8	1,110.6
Rhode Island	22.6	22.7	23.6	Illinois	271.3	270.1	258.9
Vermont	11.4	11.7	11.5	Indiana	99.8	100.7	106.7
Middle East	1,057.9	1,066.1	1,082.3	Iowa	78.4	79.1	82.9
Delaware	9.3	9.3	9.6	Michigan	161.8	164.3	164.2
District of Columbia	22.0	22.2	23.2	Minnesota	80.9	81.9	81.8
Maryland	51.6	52.9	58.4	Missouri	109.8	111.5	117.3
New Jersey	149.7	151.3	154.3	Ohio	202.4	205.4	199.5
New York	534.4	537.5	544.3	Wisconsin	98.9	98.9	99.4
Pennsylvania	251.6	253.7	254.6	Northwest	226.5	230.0	229.1
West Virginia	30.4	39.2	37.9	Colorado	38.3	39.3	39.6
Southeast	608.1	628.0	687.3	Idaho	15.6	15.7	13.4
Alabama	49.6	50.6	57.0	Kansas	57.2	58.6	63.4
Arkansas	35.5	36.0	39.9	Montana	18.2	18.0	16.1
Florida	84.6	88.8	104.0	Nebraska	39.2	39.3	37.4
Georgia	63.5	65.6	75.1	North Dakota	15.1	15.4	15.0
Kentucky	52.5	54.7	55.7	South Dakota	18.6	18.8	19.4
Louisiana	52.6	54.2	62.0	Utah	15.5	15.8	16.4
Mississippi	32.6	33.3	32.9	Wyoming	8.7	9.0	8.4
North Carolina	71.8	74.2	83.0	Far West	442.1	448.8	469.3
South Carolina	36.0	37.4	40.8	California	322.6	327.3	342.9
Tennessee	61.0	61.7	62.6	Nevada	5.9	5.9	6.9
Virginia	68.3	71.5	74.1	Oregon	48.4	50.2	51.9
				Washington	65.2	65.5	67.6

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, November 1954.

No. 587.—PARTNERSHIPS, CORPORATIONS, AND SOLE PROPRIETORSHIPS—NUMBER OF BUSINESSES AND TOTAL RECEIPTS: 1947 AND 1953

[Includes data from returns with accounting periods ending within the fiscal year July through June, as well as part-year returns with a greater number of months in accounting period. Based on a sample except for corporations data for 1947]

FORM OF BUSINESS ORGANIZATION	NUMBER OF BUSINESSES ¹			TOTAL RECEIPTS ² (\$1,000,000)		
	1947	1953 (prel.)	Percent increase	1947	1953 (prel.)	Percent increase
Total	8,064,969	9,371,078	16	528,632	781,471	48
Partnerships	888,862	958,591	8	60,687	80,702	33
Corporations	551,807	697,975	26	366,821	556,977	52
Sole proprietorships	6,624,300	7,714,512	16	101,124	143,792	42

¹ Corporations and partnerships based entirely on number of returns filed. Corporations include consolidated returns of affiliated groups. Sole proprietorships based on business schedules attached to individual income tax returns. If more than one business schedule of the same kind of activity is included in a return, data are combined for that activity and are compiled as one business.

² Corporate receipts exclude capital gains to be consistent with sole proprietorship and partnership receipts.

Source: Treasury Department, Internal Revenue Service; *Statistics of Income for 1953*, Part 3 (preliminary release).

No. 588.—SALES, ASSETS, PROFITS, AND EMPLOYEES OF LARGEST INDUSTRIAL CORPORATIONS, 1954 AND 1955, AND MERCHANDISING FIRMS, 1955, BY GROUP RANK OF SALES VOLUME

[Excludes certain large corporations which did not report sales, such as Lever Brothers, Sherwin-Williams, International Milling, etc.]

CORPORATIONS GROUPED IN ORDER OF SALES VOLUME	1954				1955			
	Sales ¹	Assets ²	Net profits	Employees ³	Sales ¹	Assets ²	Net profits	Employees ³
INDUSTRIAL CORPORATIONS								
500 largest, total	\$16,783	107,869	\$8,267	1,000	\$161,399	122,272	\$11,210	1,000
Lowest hundred	5,675	4,461	290	386	6,292	5,025	360	8,605
Second hundred	7,902	6,218	430	532	8,609	6,164	515	412
Third hundred	12,307	9,238	593	805	12,734	10,395	753	542
Fourth hundred	21,411	16,454	1,048	1,334	24,458	17,249	1,371	1,350
Highest hundred	80,488	71,498	5,905	4,801	108,306	83,430	8,210	5,431
MERCHANDISING FIRMS								
50 largest, total					25,610	9,012	601	1,223
Lowest ten					1,168	551	35	72
Second ten					1,719	696	45	129
Third ten					2,704	1,163	62	157
Fourth ten					4,520	1,386	91	169
Highest ten					15,499	5,215	365	696

¹ Net sales for fiscal years ending January 2 for industrials, and March 3 for merchandising firms. Some companies report "gross operating income," "gross operating revenues," etc., rather than sales. In tobacco and distilling companies, excise taxes have been deducted from sales. Includes sales of consolidated subsidiaries.

² Total assets employed in the business. (Some firms report fixed assets on an undepreciated basis.)

³ As reported. In some cases, average employment for year; in some companies, year end.

Source: Fortune, New York, N. Y.; annual supplement, *The Fortune Directory*; copyright by Time Inc.

No. 589.—EMPLOYERS REPORTING UNDER SOCIAL SECURITY ACT, EMPLOYMENT, AND TAXABLE WAGES, BY SIZE OF FIRM: FIRST QUARTER, 1945 TO 1955

[Employers and employment in thousands, wages in millions. Corrected to April 21, 1955. Data include only employers reporting taxable wages under old-age and survivors insurance provisions of the Social Security Act. An employer is a legal entity, such as corporation, partnership, or single ownership, for which a single tax return is filed]

ITEM AND PERIOD JAN.-MAR.	Total	EMPLOYEE-SIZE CLASS OF FIRM ¹									
		0	1 to 3	4 to 7	8 to 19	20 to 49	50 to 99	100 to 499	500 to 999	1,000 to 9,999	10,000 or more
EMPLOYERS											
1945	2,001.0	23.3	1,174.3	404.0	233.4	100.5	34.0	25.6	3.2	2.6	0.2
1946	2,280.0	29.2	1,288.0	482.1	293.3	115.9	38.1	27.7	3.1	2.5	0.2
1947	2,486.7	40.4	1,415.7	519.6	314.8	121.6	39.6	28.9	3.3	2.8	0.2
1948	2,500.0	42.4	1,488.5	537.2	325.0	122.3	39.3	29.0	3.3	2.7	0.2
1949	2,639.3	50.0	1,544.8	555.4	317.1	120.0	38.4	27.7	3.1	2.6	0.2
1951 ²	2,776.6	(3)	1,670.9	562.3	335.5	130.5	42.1	30.8	3.4	2.9	0.2
1953 ²	2,818.4	(6)	1,682.4	572.8	340.7	135.8	43.9	31.1	3.5	2.9	0.2
EMPLOYMENT ⁴											
1945	32,803	0	1,949	2,078	2,750	3,018	2,322	5,269	2,233	6,554	6,623
1946	32,483	0	2,194	2,507	3,406	3,483	2,611	5,551	2,157	6,183	4,270
1947	35,057	0	2,382	2,650	3,704	3,599	2,676	5,782	2,269	6,794	5,201
1948	36,805	0	2,497	2,739	3,832	3,662	2,690	5,779	2,281	6,812	5,513
1949	34,689	0	2,549	2,716	3,732	3,576	2,600	5,495	2,139	6,492	5,391
1951 ²	38,101	0	2,775	2,899	3,987	3,928	2,885	6,122	2,311	7,110	6,084
1953 ²	39,977	0	2,778	2,949	4,067	4,086	3,016	6,095	2,372	7,438	7,177
WAGES ⁵											
1945	\$17,938	\$23	\$662	\$793	\$1,148	\$1,408	\$1,165	\$2,740	\$1,242	\$4,043	\$4,715
1946	16,840	18	779	1,010	1,614	1,900	1,386	2,992	1,100	3,570	2,483
1947	20,805	28	950	1,193	1,917	2,086	1,595	3,542	1,437	4,534	3,523
1948	23,080	35	1,059	1,310	2,112	2,289	1,728	3,847	1,587	4,975	4,138
1949	23,376	42	1,121	1,366	2,204	2,360	1,769	3,754	1,523	4,940	4,297
1951 ²	29,000	(3)	3,1,390	1,614	2,617	2,872	2,182	4,769	1,882	6,173	5,501
1953 ²	34,030	(3)	3,1,525	1,798	2,928	3,271	2,502	5,244	2,141	7,165	7,460

¹ Measured by employer's pay-period employment.

² Data for 1951 represent employers in scope of 1951 *County Business Patterns*; data for 1953 represent employers in "regular" group of 1953 *County Business Patterns*. These data are essentially comparable with those for previous years.

³ Firm size "0" combined with size "1 to 3." ⁴ For pay period ending nearest to Mar. 15.

⁵ Wages paid by employers for covered employment during period, excluding wages over \$3,000 paid by any one employer to any worker in a calendar year prior to 1951, and over \$3,600 beginning 1951.

Source: Department of Health, Education, and Welfare, Social Security Administration, Bureau of Old-Age and Survivors Insurance.

No. 590.—REPORTING UNITS UNDER SOCIAL SECURITY ACT, EMPLOYMENT, AND TAXABLE PAYROLLS, BY STATES AND TERRITORIES: FIRST QUARTER, 1953

[**Payrolls in thousands of dollars.** Data are based on reports made under old-age and survivors insurance provisions of the Social Security Act. Employee figures are for mid-March pay period. Data exclude self-employed and railroad employees]

STATE OR TERRITORY	Employees, mid-March	Taxable payrolls, January-March	Total reporting units	NUMBER OF REPORTING UNITS, BY EMPLOYEE-SIZE CLASS					
				0 to 3	4 to 7	8 to 19	20 to 49	50 to 99	100 or more
				1,690,196	597,428	377,825	165,770	57,472	50,913
Total ¹	39,865,871	33,976,498	2,939,604						
Alabama	518,426	347,739	37,396	19,044	9,293	5,305	2,323	743	688
Arizona	160,791	135,662	15,798	9,266	3,160	2,076	859	263	174
Arkansas	236,843	145,859	25,552	14,833	5,350	3,474	1,234	366	295
California	3,017,257	2,861,163	243,411	142,954	46,658	31,262	14,099	4,659	3,760
Colorado	296,488	238,825	30,335	17,343	6,771	3,808	1,565	511	337
Connecticut	754,296	687,066	44,638	27,098	7,634	5,614	2,451	881	960
Delaware	116,118	108,751	7,172	3,060	1,442	1,023	450	139	158
District of Columbia	228,886	188,888	17,971	9,824	3,508	2,700	1,224	425	290
Florida	689,479	474,032	70,260	38,584	16,615	9,096	3,808	1,354	853
Georgia	710,045	460,548	50,290	24,547	12,860	7,535	3,223	1,144	981
Idaho	95,249	74,633	11,813	6,994	2,404	1,573	579	168	95
Illinois	2,830,213	2,606,798	185,050	109,424	35,361	22,298	10,220	3,898	3,849
Indiana	1,207,013	1,070,237	73,533	41,227	16,525	9,009	3,980	1,372	1,420
Iowa	477,694	357,707	54,886	33,960	11,734	5,863	2,148	644	487
Kansas	400,808	318,573	41,386	24,150	9,620	4,805	1,862	564	385
Kentucky	475,206	366,510	39,024	22,410	7,770	3,396	2,127	669	652
Louisiana	527,504	380,109	40,218	21,713	8,114	6,170	2,611	877	733
Maine	203,199	142,689	18,769	11,551	3,735	2,112	812	274	285
Maryland	620,512	491,285	39,519	20,974	8,355	5,915	2,629	887	750
Massachusetts	1,485,098	1,201,582	93,907	51,639	19,129	12,940	5,874	2,124	2,201
Michigan	2,133,135	2,168,460	116,045	65,875	25,800	13,554	6,296	2,236	2,284
Minnesota	638,717	526,753	57,681	33,613	12,465	7,009	2,911	936	747
Mississippi	247,757	140,158	24,082	12,001	5,921	3,495	1,342	426	297
Missouri	1,045,741	834,164	70,883	45,451	17,217	9,324	4,342	1,612	1,407
Montana	100,189	81,679	13,719	8,286	2,897	1,700	615	148	73
Nebraska	237,364	170,346	28,152	16,946	6,281	3,086	1,197	406	236
Nevada	49,350	46,440	4,787	2,734	972	688	249	80	64
New Hampshire	140,875	99,126	11,904	7,284	2,149	1,459	574	196	242
New Jersey	1,565,935	1,437,107	105,495	63,014	17,508	12,734	5,857	2,183	2,199
New Mexico	113,341	90,388	12,553	6,912	2,740	1,906	675	207	113
New York	4,934,176	4,492,118	370,421	226,598	60,766	46,655	22,593	7,714	6,095
North Carolina	832,627	538,927	56,520	28,397	13,773	8,317	3,555	1,274	1,204
North Dakota	64,128	43,825	10,812	6,651	2,371	1,182	471	105	32
Ohio	2,594,146	2,439,857	149,501	85,065	29,275	19,813	8,796	3,196	3,356
Oklahoma	302,124	308,173	40,925	23,159	9,384	5,187	2,158	617	420
Oregon	351,364	311,544	36,283	22,021	6,643	4,582	1,064	643	430
Pennsylvania	3,194,280	2,719,533	182,631	102,161	36,458	24,187	10,989	4,401	4,435
Rhode Island	254,621	195,849	16,226	9,534	2,769	2,109	1,019	403	392
South Carolina	436,590	295,221	27,857	14,249	7,043	4,007	1,556	470	532
South Dakota	77,641	50,819	12,634	7,900	2,782	1,373	484	100	45
Tennessee	651,480	453,202	46,810	24,727	11,078	6,409	2,696	994	906
Texas	1,777,010	1,375,025	157,147	87,333	35,948	19,844	8,721	8,037	2,264
Utah	135,973	112,532	12,505	6,929	2,624	1,813	734	240	165
Vermont	74,264	56,112	7,664	4,729	1,402	906	408	113	106
Virginia	671,685	458,760	52,275	27,357	12,020	7,868	3,137	1,043	850
Washington	532,670	486,200	49,175	29,558	9,333	6,155	2,660	830	639
West Virginia	411,687	346,501	28,606	16,195	6,353	3,616	1,418	468	556
Wisconsin	896,339	781,888	69,439	41,697	13,763	8,415	3,303	1,116	1,145
Wyoming	52,280	43,900	6,975	4,022	1,472	1,007	347	89	38
Alaska	19,355	23,913	2,454	1,433	517	332	115	36	21
Hawaii	93,333	68,951	7,577	4,207	1,582	1,074	426	153	135

¹ Includes covered employment on ocean-borne vessels; not included in State figures.

Source: Department of Commerce, Bureau of the Census, and Department of Health, Education, and Welfare, Social Security Administration, Bureau of Old-Age and Survivors Insurance; cooperative report, *County Business Patterns, First Quarter, 1953*, Part 1, U. S. Summary.

No. 591.—CORPORATION ASSETS AND LIABILITIES: 1930 TO 1953

[Money figures in millions of dollars. See headnote, table 593]

ITEM	1930	1935	1940	1945	1950	1952	1953
Returns of active corporations, number	463,036	477,113	473,042	421,125	620,314	672,071	697,975
Balance sheets, number ¹	403,173	415,205	413,716	374,950	509,961	615,698	640,073
Total assets or liabilities²	334,002	303,150	320,478	411,461	598,369	721,861	761,877
ASSETS							
Cash	21,012	23,664	41,423	57,717	71,018	79,597	80,171
Notes and accounts receivable ³	59,675	38,690	42,864	51,680	108,639	140,901	148,283
Inventories	18,771	14,788	19,463	26,067	54,496	64,520	65,519
Investments, government obligations ⁴	10,228	21,863	29,570	129,935	109,822	120,303	123,599
Other investments	88,809	90,163	80,429	74,026	96,760	132,512	147,188
Capital assets ⁵	120,994	100,480	100,214	92,057	144,690	169,546	180,612
Other assets	19,511	13,501	6,514	10,029	12,944	14,485	16,506
LIABILITIES							
Notes and accounts payable ⁶	26,870	25,332	22,683	24,663	47,143	56,823	56,918
Bonded debt and mortgages ⁷	50,282	49,822	49,199	40,987	65,719	80,628	86,607
Other liabilities	95,568	89,066	110,210	221,286	261,899	330,406	353,141
Capital stock: ⁸							
Preferred	19,117	19,533	17,138	14,764	14,906	15,831	15,815
Common	87,067	82,733	72,292	64,747	79,310	85,365	88,121
Surplus and undivided profits ⁹	61,832	48,828	61,633	83,585	137,361	159,935	168,901
Deficit ¹⁰	6,724	12,163	12,676	8,571	7,968	7,125	7,655
Net surplus	55,098	36,665	48,957	75,014	120,303	152,810	161,246

¹ Excludes returns with fragmentary balance sheet data.² Adjustments are made in tabulating data as follows: (a) Reserves for depreciation, depletion, amortization, and bad debts, when reported under liabilities are used to reduce corresponding asset account, and "Total assets" and "Total liabilities" are decreased by amount of such reserves; and (b) a deficit in surplus, reported under assets, is transferred to liabilities, and "Total assets" and "Total liabilities" are decreased by amount of deficit.³ Less reserve for bad debts. Includes loans and discounts of banks.⁴ Comprises obligations of United States or any agency or instrumentality thereof; obligations of States, Territories, and political subdivisions thereof, District of Columbia, and United States possessions.⁵ Less depreciation and depletion reserves. Includes land.⁶ Beginning 1940, includes bonds, notes, and mortgages payable, with original maturity of less than 1 year.⁷ Beginning 1940, represents "Bonded debt and mortgages" with original maturity of 1 year or more.⁸ For balance sheets in which common and preferred stock are not reported separately, combined amount is tabulated as "Common stock."⁹ Comprises sum of positive amounts of "Paid-in or capital surplus," "Earned surplus and undivided profits," and "Surplus reserves."¹⁰ Comprises negative amounts for "Earned surplus and undivided profits."Source: Treasury Department, Internal Revenue Service; *Statistics of Income*, Part 2.

No. 592.—CURRENT ASSETS AND LIABILITIES OF U. S. CORPORATIONS: 1945 TO 1956

[In billions of dollars. As of December 31. Covers all U. S. corporations excluding banks and insurance companies. 1945-1953 based on Bureau of Internal Revenue *Statistics of Income*, covering virtually all corporations in United States; for 1954-56 estimated (subject to revision), based on data compiled from many different sources, including data on corporations registered with Securities and Exchange Commission]

ASSETS AND LIABILITIES	1945	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Current assets, total	97.4	123.6	133.0	133.1	161.5	179.1	186.2	190.9	188.5	208.1	218.6
Cash on hand and in banks	21.7	25.0	25.3	26.5	28.1	30.0	30.8	31.2	32.0	32.6	33.2
U. S. Government securities	21.1	14.1	14.8	16.8	19.7	20.7	19.9	21.6	19.8	24.0	19.2
Receivables from U. S. Government ¹	2.7	38.3	42.4	43.0	1.1	2.7	2.8	2.6	2.4	2.3	2.6
Other notes and accounts receivable	23.2	58.3	42.4	43.0	55.7	58.8	64.6	65.9	67.3	77.3	84.1
Inventories	26.3	44.6	48.9	45.3	55.1	64.9	65.8	67.2	64.4	69.1	76.4
Other current assets ²	2.4	1.6	1.6	1.4	1.7	2.1	2.4	2.4	2.6	2.9	3.0
Current liabilities, total	45.8	61.5	64.4	60.7	79.8	92.6	96.1	99.0	93.5	105.2	110.4
Advances and prepayments, U. S. Government ¹	.9	37.6	39.4	37.5	4.4	1.3	2.3	2.2	2.4	2.3	2.4
Other notes and accounts payable	24.8				47.9	53.6	57.0	57.3	54.9	62.6	67.3
Federal income tax liabilities	10.4	10.7	11.5	9.3	16.7	21.3	18.1	18.7	15.3	18.1	16.6
Other current liabilities	9.7	13.2	13.5	14.0	14.9	16.5	18.7	20.7	20.8	22.3	24.2
Net working capital	51.6	62.1	68.6	72.4	81.6	86.5	90.1	91.8	95.0	102.9	103.2

¹ Receivables from and payables to U. S. Government exclude amounts offsetting each other on corporation's books or amounts arising from subcontracting not directly due from or to U. S. Government. Wherever possible, adjustments have been made to include U. S. Government advances offsetting inventories on corporation's books.² Includes marketable securities other than U. S. Government.Source: Securities and Exchange Commission; Statistical Series, *Net Working Capital of U. S. Corporations*. Data are published quarterly.

No. 593.—CORPORATION RECEIPTS, DEDUCTIONS, PROFITS, AND TAX: 1925 TO 1953

[In millions of dollars.] Includes data for Alaska, District of Columbia, and Hawaii; based on income tax returns as filed, prior to audit adjustments or other changes made after the returns were filed, as the result of carry-backs, relief granted under section 722 of the Internal Revenue Code, recomputation of amortization of emergency facilities, or renegotiation of war contracts. All corporations are required to file returns except those specifically exempt, such as mutual, fraternal, civic, and charitable organizations not operating for profit. Returns of inactive corporations are excluded from these tabulations. In comparing data over a period of years, changes in law must be taken into consideration, especially discontinuance for 1934-41 of privilege of filing consolidated returns (except by railroad corporations and their related holding or leasing companies and, in 1940-41, by Pan American trade-corporations) and the restoration of this privilege in 1942. See source publications for effect of changes on statistical items. Data represent combined totals for returns reporting net income and those reporting no net income. For number of returns, see table 486, p. 378]

ITEM	1925	1930	1935	1940	1945	1950	1952	1953
Compiled receipts, total¹	134,780	136,588	114,650	148,237	255,448	458,130	531,307	558,242
Gross sales	106,832	97,941	85,332	114,642	203,575	374,406	429,514	452,061
Gross receipts from other operations	(²)	25,267	19,700	24,483	40,455	65,475	79,805	82,507
Other receipts	26,253	10,283	5,801	8,329	10,904	17,854	21,594	23,250
Tax-exempt income:								
Dividends from domestic corporations	1,175	2,571	3,014	(³)				
Interest on Government obligations	520	526	714	783	513	394	394	425
Compiled deductions, total⁴	125,464	131,940	109,227	138,889	234,102	415,299	492,572	518,441
Cost of goods sold	84,716	76,190	66,279	88,739	157,377	284,699	330,821	346,149
Cost of operations	(²)	(²)	9,190	12,297	22,666	36,558	45,366	46,528
Interest paid	3,617	4,861	3,261	2,701	2,308	3,212	5,013	5,681
Taxes paid ⁵	(³)	2,297	2,628	4,317	5,585	9,013	11,697	12,195
Depreciation and depletion ⁶	3,330	4,440	3,701	4,003	6,620	9,611	12,562	14,328
Other deductions	33,801	44,142	24,167	28,832	39,546	72,206	87,113	93,560
Compiled net profit or loss ⁷	9,316	4,649	5,423	9,348	21,345	42,831	38,735	39,801
Net income or deficit ¹⁰	7,621	1,551	1,696	8,919	21,139	42,613	38,456	39,485
Deduction due to net loss for prior year ¹¹	243	158	—	123	114	345	306	413
Total tax ¹²	1,170	712	735	2,549	10,795	17,317	19,148	19,869
Compiled net profit less total tax	8,146	3,037	4,688	6,800	10,551	25,514	19,588	19,932
Dividends paid:								
Cash	5,190	8,184	5,941	6,089	6,081	11,553	11,263	11,601
Stock	544	414	136	140	334	1,292	1,364	1,110

¹ Comprises gross sales (less returns and allowances), gross receipts from operations (where inventories are not an income-determining factor), all interest received on Government obligations (less amortizable bond premium), other interest, rents, royalties, excess of net short-term capital gain over net long-term capital loss, excess of net long-term capital gain over net short-term capital loss, net gain from sale or exchange of property other than capital assets, dividends, and other taxable income. Excludes nontaxable income other than tax-exempt interest received on certain Government obligations.

² Not available.

³ Beginning 1936, "Dividends from domestic corporations" are taxable income, tabulated with "Other receipts."

⁴ Beginning 1934, includes in addition to the wholly tax-exempt interest, that which is partially tax-exempt. Interest on Treasury notes issued on or after Dec. 1, 1940, and obligations issued on or after Mar. 1, 1941, by the United States or any agency or instrumentality thereof, is wholly taxable and is included in "Other receipts" for 1941-53.

⁵ Beginning 1936, includes contributions or gifts (limited to 5 percent of net income before this deduction).

⁶ Excludes (a) Federal income tax and Federal excess-profits taxes; (b) estate, inheritance, legacy, succession, and gift taxes; (c) income taxes paid to a foreign country or possession of United States, if any portion is claimed as a tax credit; (d) taxes assessed against local benefits; (e) Federal taxes paid on tax-free covenant bonds; and (f) taxes reported in "Cost of goods sold" and "Cost of operations." Beginning 1951, identifiable amounts of taxes included in "Cost of goods sold" and "Cost of operations" are transferred to "Taxes paid."

⁷ Tabulated with "Other deductions."

⁸ Beginning 1940, includes amortization of emergency facilities.

⁹ Compiled receipts less compiled deductions.

¹⁰ Net income (or deficit), in general, represents taxable income less allowable deductions, except that for 1925 and 1930, and for 1940-53, amount shown is before deduction due to net operating loss of prior years.

¹¹ Deducted by corporations reporting net income.

¹² In addition to income tax, includes: Declared value excess-profits tax, 1933-45; defense tax, 1940; and excess profits tax under (a) provisions of Second Revenue Act of 1940, 1940-46, and (b) Excess Profits Tax Act of 1950, beginning July 1, 1950.

Source: Treasury Department, Internal Revenue Service; *Statistics of Income*, Part 2.

No. 595.—INCOME OF UNINCORPORATED ENTERPRISES, BY INDUSTRY: 1940 TO 1955

In millions of dollars. Data represent net income of sole proprietorships and partnerships except that the trade figures include estimated patronage refunds and stock dividends paid by farmers' cooperatives. Income equals business receipts (exclusive of capital gains and expenses) less business expenses (exclusive of capital losses and depletion allowances).

INDUSTRY	1940	1945	1950	1952	1953	1954	1955
All industries, total	13,055	30,941	37,274	40,639	39,361	38,415	39,259
Agriculture, forestry, and fisheries	4,633	11,972	13,532	15,438	13,507	12,836	12,044
Mining	59	108	213	197	216	199	221
Contract construction	689	1,088	2,739	2,824	2,974	3,211	3,486
Manufacturing	515	2,361	1,728	1,306	1,078	807	1,056
Wholesale and retail trade	3,863	9,676	11,156	12,091	12,225	11,684	12,239
Finance, insurance, and real estate	365	757	996	1,007	1,069	1,250	1,341
Transportation	285	426	607	741	812	806	856
Communications and public utilities	7	23	29	30	30	31	32
Services	2,639	4,530	6,274	7,005	7,360	7,591	7,984

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, July 1956, and *National Income Supplement*, 1954.

No. 596.—CORPORATE INCOME BEFORE FEDERAL AND STATE INCOME AND EXCESS PROFITS TAXES, BY INDUSTRY: 1940 TO 1955

In millions of dollars. Data represent earnings of corporations organized for profit which accrue to residents of the Nation, measured before Federal and State profit taxes, without deduction of depletion charges and exclusive of capital gains and losses. Profits accruing to residents are measured by eliminating intercorporate dividends from profits of domestic corporations and by adding the net receipts of dividends and branch profits from abroad. In other major respects, the definition of income is in accordance with Federal income tax regulations. The inclusion of depletion charges has an important effect on data for mining industries.

INDUSTRY	1940	1945	1950	1952	1953	1954	1955
All industries, total	9,320	18,977	39,970	35,936	37,039	33,203	42,666
Agriculture, forestry, and fisheries	15	93	157	38	34	32	25
Farms	18	89	157	37	34	(1)	(1)
Agricultural services, forestry, and fisheries	-3	4	0	1	0	(1)	(1)
Mining	418	347	1,374	1,249	1,226	1,088	1,377
Contract construction	70	89	541	569	488	473	496
Manufacturing	5,508	9,933	23,280	19,958	21,218	17,092	24,172
Food and kindred products	565	1,438	1,815	1,553	1,659	(1)	(1)
Textile-mill products	216	727	1,237	526	533	(1)	(1)
Chemicals and allied products	643	980	2,625	2,156	2,223	(1)	(1)
Products of petroleum and coal	277	437	1,726	1,542	1,791	(1)	(1)
Metals, metal products, and miscellaneous	976	1,706	4,425	3,470	4,092	(1)	(1)
Machinery, except electrical	672	849	1,904	2,302	2,092	(1)	(1)
Transportation equipment, except automobiles	267	949	364	612	805	(1)	(1)
Automobiles and automobile equipment	530	164	3,270	2,389	2,653	(1)	(1)
Other	1,362	2,683	5,815	5,309	5,370	(1)	(1)
Wholesale and retail trade	1,124	3,420	6,276	4,382	3,875	3,325	4,768
Wholesale trade	405	1,304	2,860	1,931	1,661	(1)	(1)
Retail trade and automotive services	629	2,116	3,410	2,451	2,214	(1)	(1)
Finance, insurance, and real estate	490	1,490	2,662	3,282	3,654	3,714	4,020
Transportation	335	1,330	1,096	1,827	1,636	1,035	1,530
Communications and public utilities	1,021	1,472	2,189	2,966	3,264	3,510	3,979
Services	105	575	495	544	518	621	679
Rest of the world	234	228	1,000	1,121	1,126	1,413	1,620

¹ Not available.

² 1940 and 1945 not fully comparable with figures shown for later years. See source.

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, July 1956, and *National Income Supplement*, 1954.

No. 597.—CORPORATE PROFITS, TAXES AND DIVIDENDS: 1940 TO 1956

[In billions of dollars. Data for 1954 to 1956 subject to revision; see July issue of *Survey of Current Business*. See headnote, table 596. Taxes refer to Federal and State taxes on corporate earnings. Disbursements of tax refunds have been deducted from tax liability in year in which tax liability was incurred. Dividends represent amount of cash dividends disbursed to residents of the Nation, and therefore are measured after elimination of intercorporate dividends. Undistributed profits comprise difference between corporate profits after taxes and net dividend payments. Quarterly data are seasonally adjusted at annual rates.]

YEAR AND QUARTER	Profits before taxes	Income tax liability	Profits after taxes	Dividends	Undistributed profits
1940	9.3	2.8	6.5	4.0	2.4
1945	19.0	10.7	8.3	4.7	3.6
1947	29.5	11.3	18.2	6.5	11.7
1948	32.8	12.5	20.3	7.2	13.0
1949	26.2	10.4	15.8	7.5	8.3
1950	40.0	17.8	22.1	9.2	12.9
1951	41.2	22.5	18.7	9.1	9.6
1952	35.9	19.8	16.1	9.0	7.1
1953	37.0	20.3	16.7	9.3	7.4
1954	33.2	16.8	16.4	10.0	6.4
1955	42.7	21.5	21.1	11.2	9.9
1st quarter	39.7	20.0	19.7	10.4	9.3
2d quarter	41.1	20.7	20.3	10.7	9.6
3d quarter	43.5	22.0	21.5	11.0	10.5
4th quarter	46.4	23.4	23.0	12.1	10.9
1956	43.4	21.9	21.5	12.0	9.5
1st quarter	43.7	22.1	21.6	11.8	9.8
2d quarter	42.9	21.7	21.3	12.2	9.1
3d quarter	41.2	20.8	20.4	12.3	8.2
4th quarter	46.0	23.2	22.8	11.9	10.9

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, July 1956, and *National Income Supplement*, 1954, and records.

No. 598.—PROFITS AND DIVIDENDS OF PUBLIC UTILITY CORPORATIONS: 1942 TO 1956

[In millions of dollars]

YEAR AND QUARTER	RAILROAD ¹				ELECTRIC POWER ⁴				TELEPHONE ⁵			
	Oper-ating revenue	Profits before taxes ²	Profits after taxes ³	Divi-dends	Oper-ating revenue	Profits before taxes ²	Profits after taxes ³	Divi-dends	Oper-ating revenue	Profits before taxes ²	Profits after taxes ³	Divi-dends
1942	7,466	1,658	902	202	3,216	847	490	408	1,508	364	168	151
1943	9,055	2,211	873	217	3,464	913	502	410	1,691	420	176	156
1944	9,437	1,972	667	246	3,615	902	507	398	1,815	451	168	155
1945	8,902	756	450	246	3,682	905	534	407	1,979	433	174	162
1946	7,628	271	287	235	3,815	964	638	458	2,148	313	209	168
1947	8,685	777	479	236	4,291	954	643	494	2,283	215	138	131
1948	9,672	1,146	698	289	4,830	983	657	493	2,694	292	186	178
1949	8,580	700	438	252	5,069	1,129	757	560	2,967	333	207	213
1950	9,473	1,385	784	312	5,528	1,313	822	619	3,342	580	331	276
1951	10,391	1,260	693	328	6,058	1,482	814	651	3,729	691	341	318
1952	10,581	1,438	825	358	6,549	1,740	947	725	4,136	787	384	355
1953	10,664	1,436	903	412	7,136	1,895	1,030	780	4,525	925	452	412
1954	9,371	908	682	379	7,588	2,049	1,134	588	4,902	1,050	525	448
1955	10,106	1,341	927	448	8,360	2,304	1,244	942	5,425	1,282	638	496
1st quarter	2,307	261	177	103	2,163	637	341	228	1,298	306	152	118
2d quarter	2,528	338	243	92	1,988	536	292	237	1,340	315	156	122
3d quarter	2,632	370	243	78	2,025	536	285	224	1,368	325	161	126
4th quarter	2,640	353	264	176	2,185	595	325	253	1,419	336	160	130
1956 ⁶	10,551	1,267	874	445	9,059	2,487	1,329	1,013	5,966	1,430	715	552
1st quarter	2,535	252	163	110	2,398	710	374	247	1,439	339	169	132
2d quarter	2,704	343	237	116	2,185	592	321	256	1,480	352	176	136
3d quarter	2,590	298	208	70	2,175	568	302	248	1,495	359	180	137
4th quarter ⁶	2,722	375	266	148	2,302	586	331	262	1,552	380	190	147

¹ Class I line-haul railroads, covering about 95 percent of all railroad operations.

² After all charges and before Federal income taxes and dividends.

³ After all charges and taxes and before dividends.

⁴ Class A and B electric utilities, covering about 95 percent of all electric power operations.

⁵ Revenues and profits for telephone operations of Bell System Consolidated (including the 20 operating subsidiaries and Long Lines and General departments of American Telephone and Telegraph Company) and for 2 affiliated telephone companies, which together represent about 85 percent of all telephone operations. Dividends for the 20 operating subsidiaries and 2 affiliates.

⁶ Preliminary.

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

No. 599.—ANNUAL SALES, PROFITS, AND DIVIDENDS OF LARGE MANUFACTURING CORPORATIONS: 1940 TO 1956

[In millions of dollars. Includes data for 200 corporations each with assets of \$10,000,000 and over, at the end of 1946. Profits before and after taxes are as published by the 200 companies except for certain adjustments, chiefly to exclude special charges and credits and intercorporate dividends where large. Series includes little or no representation of some important nondurable goods groups such as meatpacking, tobacco, and rubber.]

INDUSTRY	1940	1945	1949	1950	1951	1952	1953	1954	1955	1956 (prel.)
Total (200 corporations):										
Sales	13,625	27,600	38,311	45,787	52,940	54,517	63,343	58,110	60,443	71,925
Profits before taxes	1,927	2,537	5,278	8,176	8,869	7,308	8,375	7,244	10,226	9,267
Profits after taxes	1,329	1,188	3,261	4,222	3,548	3,192	3,649	3,825	5,221	4,841
Dividends	902	901	1,746	2,339	2,075	2,073	2,154	2,384	2,827	2,976
Nondurable goods industries (94 corporations): ^{1,2}										
Sales	4,813	9,280	14,292	16,252	18,916	19,266	20,694	20,620	23,065	24,777
Profits before taxes	689	1,225	2,067	2,947	3,447	2,853	3,028	2,753	3,408	3,459
Profits after taxes	492	607	1,361	1,661	1,533	1,392	1,526	1,581	1,916	1,978
Dividends	377	396	789	977	925	946	972	1,064	1,202	1,249
Durable goods industries (106 corporations): ^{1,2}										
Sales	8,812	18,320	24,020	29,535	34,024	35,251	42,649	37,490	46,378	47,148
Profits before taxes	1,238	1,312	3,212	5,229	5,422	4,455	5,346	4,401	6,818	5,809
Profits after taxes	837	581	1,900	2,560	2,015	1,800	2,123	2,244	3,305	2,864
Dividends	525	605	958	1,362	1,149	1,127	1,182	1,320	1,625	1,728
Selected industries:										
Foods and kindred products (28 corporations): ²										
Sales	1,516	3,171	4,223	4,402	4,909	5,042	5,411	5,476	5,813	6,305
Profits before taxes	179	412	434	532	473	453	465	462	499	558
Profits after taxes	136	163	268	289	227	203	212	224	245	272
Dividends	100	98	149	161	159	154	154	156	160	166
Chemicals and allied products (26 corporations): ²										
Sales	1,388	2,708	3,904	4,817	5,882	5,965	6,373	6,182	7,222	7,726
Profits before taxes	318	457	734	1,178	1,490	1,259	1,308	1,153	1,535	1,493
Profits after taxes	206	199	441	597	521	496	520	593	782	774
Dividends	180	165	338	467	381	396	417	499	597	602
Petroleum refining (14 corporations): ²										
Sales	1,145	2,117	3,901	4,359	5,078	5,411	5,883	6,015	6,556	7,185
Profits before taxes	97	211	587	712	911	728	841	751	854	916
Profits after taxes	84	185	457	492	560	524	603	587	624	686
Dividends	60	94	206	236	262	283	290	294	317	346
Primary metals and products (39 corporations):										
Sales	3,861	6,659	8,184	10,448	12,507	11,564	13,750	11,522	14,927	16,065
Profits before taxes	480	446	996	1,706	2,098	1,147	1,817	1,357	2,375	2,369
Profits after taxes	357	229	580	857	778	564	790	705	1,194	1,229
Dividends	180	194	286	378	382	369	377	407	522	606
Machinery (27 corporations):										
Sales	1,186	3,584	4,342	5,049	6,168	7,077	8,005	7,745	8,110	9,804
Profits before taxes	201	373	518	847	1,000	971	1,011	914	894	945
Profits after taxes	125	130	320	424	365	375	402	465	458	460
Dividends	94	94	138	208	192	109	237	263	281	325
Automobiles and equipment (15 corporations):										
Sales	3,073	5,663	9,695	11,969	12,707	13,038	16,611	14,137	18,825	16,336
Profits before taxes	435	324	1,488	2,332	1,950	1,982	2,078	1,789	3,023	1,059
Profits after taxes	277	153	871	1,101	717	709	758	863	1,394	908
Dividends	205	174	457	679	486	469	469	536	693	656

¹ Includes 26 companies not shown separately, as follows: textile-mill products (10); paper and allied products (18); and miscellaneous (1).

² For certain items, data for 1940 are partly estimated for 7 companies: foods (2); chemicals (2); petroleum, textiles, and paper (1 each).

³ Includes 25 companies not shown separately, as follows: building materials (12); transportation equipment other than automobile (6); and miscellaneous (7).

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

No. 600.—PROFITS OF ALL MANUFACTURING CONCERNs, BY ASSET SIZE CLASS:
1955 AND 1956

[Based on sample; see source for discussion of methodology]

ITEM	All asset sizes	Under \$1,000,000	\$1,000,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 to \$49,999,999	\$50,000,000 to \$99,999,999	\$100,000,000 and over
PROFITS PER DOLLAR OF SALES (in cents)							
Before Federal income taxes:							
1955:							
First quarter	9.9	3.6	5.7	7.5	9.0	9.3	13.2
Second quarter	10.6	4.0	6.6	8.4	10.1	10.1	13.9
Third quarter	10.2	4.8	6.6	8.4	10.1	9.9	13.0
Fourth quarter	10.3	2.4	5.6	8.4	10.3	10.1	13.9
1956: ¹							
First quarter	10.2	4.0	6.9	8.9	9.7	10.8	13.1
Second quarter	10.3	5.0	6.9	8.8	10.2	10.9	12.8
Third quarter	9.0	5.1	6.9	8.6	9.6	10.8	10.4
Fourth quarter	9.3	2.7	5.9	7.7	9.6	10.1	11.9
After Federal income taxes:							
1955:							
First quarter	5.1	1.7	2.7	3.4	4.4	4.5	7.0
Second quarter	5.5	2.1	3.2	4.1	5.0	5.1	7.4
Third quarter	5.4	2.7	3.2	4.0	5.0	5.0	7.1
Fourth quarter	5.6	1.0	2.8	4.3	5.2	5.3	8.0
1956: ¹							
First quarter	5.3	2.2	3.4	4.3	4.8	5.4	7.0
Second quarter	5.5	2.8	3.8	4.3	5.1	5.6	7.1
Third quarter	4.9	2.8	3.5	4.2	4.8	5.5	6.1
Fourth quarter	5.2	1.2	2.9	3.9	4.9	5.3	7.2
ANNUAL RATE ON STOCK HOLDERS' EQUITY (percent)							
Before Federal income taxes:							
1955:							
First quarter	22.3	13.3	16.6	17.6	19.1	20.6	26.0
Second quarter	25.0	15.6	20.1	21.1	22.9	23.6	28.1
Third quarter	23.3	19.5	19.4	20.2	22.8	22.5	25.0
Fourth quarter	24.6	10.5	17.9	21.5	23.7	24.0	28.1
1956: ¹							
First quarter	23.8	18.3	21.4	22.2	22.6	23.4	25.4
Second quarter	24.2	22.8	21.5	22.5	24.5	24.2	24.9
Third quarter	20.2	23.8	21.4	21.3	22.5	23.0	18.6
Fourth quarter	22.3	12.9	18.0	19.5	23.3	22.5	24.0
After Federal income taxes:							
1955:							
First quarter	11.4	6.4	7.9	8.0	9.3	10.1	13.8
Second quarter	13.0	8.1	9.7	10.3	11.4	11.8	15.0
Third quarter	12.3	11.0	9.4	9.7	11.3	11.4	13.5
Fourth quarter	13.5	4.5	8.8	10.9	11.9	12.6	16.2
1956: ¹							
First quarter	12.5	9.8	10.6	10.7	11.1	11.8	13.6
Second quarter	13.0	12.9	10.4	10.9	12.2	12.3	13.9
Third quarter	11.0	13.0	10.7	10.4	11.1	11.6	10.8
Fourth quarter	12.6	5.8	9.1	9.8	11.8	11.8	14.5

¹ New sample; see source.

Source: Federal Trade Commission and Securities Exchange Commission; *Quarterly Financial Report for Manufacturing Corporations*.

No. 601.—CORPORATE DIVIDENDS PAID, BY INDUSTRIAL DIVISIONS: 1945 TO 1953
[In millions of dollars. See headnote, table 593]

INDUSTRY DIVISION ¹	1945		1950		1952		1953	
	Cash	Stock	Cash	Stock	Cash	Stock	Cash	Stock
All industrial divisions	6,080.8	334.4	11,553.0	1,292.5	11,262.8	1,363.6	11,600.8	1,110.3
Agriculture, forestry, and fishery	27.6	1.0	106.5	4.8	58.2	4.0	49.3	3.0
Mining and quarrying	159.8	1.9	552.8	10.5	613.7	41.4	649.4	31.1
Construction	29.5	3.2	82.7	27.9	80.6	29.7	75.4	26.1
Manufacturing	2,824.7	146.2	6,061.9	799.7	5,680.9	909.2	5,876.6	665.4
Public utilities	1,243.0	6.7	1,649.0	94.1	1,912.5	50.4	2,014.9	81.8
Trade	557.4	60.7	1,144.8	225.2	999.3	102.8	938.9	158.6
Finance, insurance, real estate, and lessors of real property	1,101.1	106.7	1,778.2	115.3	1,735.4	157.0	1,832.3	131.3
Services	132.3	7.9	172.2	14.8	180.5	9.1	162.9	12.1
Nature of business not allocable	5.6	.2	4.9	2	1.6	(2)	1.0	1.0

¹ For changes in classification affecting comparability of data, see *Statistics of Income*, Part 2, for 1938 and 1948.

² Less than \$500,000.

Source: Treasury Department, Internal Revenue Service; *Statistics of Income*, Part 2.

No. 602.—SOURCES AND USES OF CORPORATE FUNDS: 1947 TO 1956

In billions of dollars. Covers nonfinancial business corporations only, excluding banking and insurance companies which are primarily suppliers of capital funds for business or intermediaries in flow of savings from consumers to business. Based on Securities and Exchange Commission and other financial data. Data through 1953 have been adjusted to Internal Revenue Service statistics.

USE OR SOURCE	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956 (prel.) ¹
Uses, total	32.7	28.3	16.5	45.3	39.1	30.1	28.8	20.4	44.3	41.2
Plant and equipment	17.0	18.8	16.3	16.9	21.6	22.4	23.9	22.4	24.2	29.8
Inventories	7.1	4.2	-3.6	9.8	9.4	9.0	1.5	-2.3	4.6	6.4
Receivables	7.6	4.1	.6	13.8	4.7	5.8	1.1	1.2	9.8	7.2
Consumer	1.5	1.3	1.4	1.6	.5	1.9	1.7	.5	3.5	(2)
U. S. Government	-2	2	.2	.2	1.4	.1	-.2	-.2	-1.1	(2)
Other	6.3	2.6	-1.0	12.0	2.8	3.8	-4	.9	6.4	(2)
Cash and deposits	2.2	3	1.2	1.6	1.9	.8	.4	.8	.6	
U. S. Government securities	-1.2	.7	2.0	2.9	.9	-.7	1.7	-1.8	4.2	-4.1
Other assets	(3)	2	(3)	.3	.6	.8	.2	.1	.9	1.9
Sources, total	32.4	29.0	15.3	43.5	38.8	30.1	28.9	20.0	44.4	41.7
Retained profits ²	11.4	12.4	7.6	12.4	9.1	6.4	6.5	5.7	8.8	8.3
Depreciation	5.2	6.2	7.1	7.8	9.0	10.4	11.8	13.3	14.8	16.5
Net new issues	4.4	5.9	4.9	3.7	6.3	7.9	7.1	5.9	7.0	8.2
Stocks	1.4	1.2	1.6	1.7	2.7	3.0	2.3	2.1	2.5	(2)
Bonds	3.0	4.7	3.3	2.0	3.6	4.9	4.8	3.8	4.5	(2)
Mortgage loans	.7	.7	.6	1.0	.9	.7	.8	1.1	1.3	
Bank loans	2.6	1.1	-2.9	1.6	4.5	2.4	-.3	-2.0	3.1	
Short	1.4	5	-1.7	2.1	3.9	1.6	-.1	-1.4	2.6	(2)
Long	1.2	.6	-1.2	-.5	.6	.8	-.3	-.6	.4	(2)
Trade payables	4.5	1.3	-.3	8.8	2.7	2.7	.4	-.8	4.9	2.6
Federal income tax liabilities	2.1	1.0	-2.2	7.2	4.4	-2.8	.4	-3.5	2.8	-1.5
Other liabilities	1.5	.4	.5	1.0	1.9	2.4	2.2	.3	1.7	1.9
Discrepancy (uses less sources)	.3	-.7	1.2	1.8	.3	.0	-.1	.4	-.1	-0.5

¹ Data from *Economic Report of the President*. ² Not available.

³ Less than \$50 million. ⁴ Includes depletion.

Source: Department of Commerce, Office of Business Economics (except as noted); *Survey of Current Business*, September 1954 and October 1956.

No. 603.—CORPORATE PENSION FUNDS—ASSETS, RECEIPTS, AND EXPENDITURES: 1951 TO 1955

In millions of dollars. Covers all corporate pension plans except those administered by insurance companies and labor unions. Excludes plans of religious, educational, and other nonprofit organizations.

ASSETS, RECEIPTS, AND EXPENDITURES	1951	1952	1953	1954	1955
Assets (book value, end of year)	6,876	8,505	10,222	12,153	14,230
Cash and deposits	291	271	313	296	343
U. S. Government securities	2,170	2,218	2,297	2,284	2,536
Corporate bonds	3,125	4,167	5,181	6,350	7,225
Preferred stock	272	335	397	454	510
Common stock	812	1,228	1,649	2,286	2,953
Own company	246	301	342	382	434
Other companies	566	927	1,307	1,904	2,524
Mortgages	(1)	(1)	(1)	(1)	146
Other assets	206	286	384	473	511
Receipts	1,575	1,792	2,170	2,248	2,583
Employer contribution	1,257	1,392	1,681	1,648	1,803
Employee contribution	129	153	176	191	222
Income from interest and dividends	189	247	313	409	463
Net profit or loss on sale of assets	(1)	(1)	(1)	(1)	84
Other income	(1)	(1)	(1)	(1)	12
Expenditures	225	270	322	365	461
Benefits paid out	220	263	314	357	447
Expenses	5	7	8	8	14
Net receipts	1,350	1,522	1,848	1,883	2,122

¹ Not available separately, included among other items shown.

Source: Securities and Exchange Commission; *Corporate Pension Funds, 1955*.

BUSINESS ENTERPRISE

No. 604.—BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1939 TO 1957
[In millions of dollars]

INDUSTRY GROUP	1939	1945	1950	1952	1953	1954	1955	1956	1957 ¹
Total ²	5,512	8,692	20,605	26,493	28,322	26,827	28,701	35,081	37,361
Manufacturing									
Durable goods industries	1,943	3,983	7,491	11,632	11,908	11,038	11,439	14,954	16,414
Primary iron and steel	756	1,590	3,135	5,614	5,648	5,091	5,436	7,023	8,498
Primary nonferrous metals	122	198	599	1,511	1,210	754	863	1,268	1,650
Fabricated metal products	30	54	134	512	412	246	214	412	521
Electrical machinery and equipment	91	216	350	(3)	(3)	(3)	(3)	(3)	(3)
Machinery except electrical	49	123	245	386	475	439	436	603	692
Motor vehicles and equipment	100	316	411	701	797	694	808	1,078	1,394
Transportation equipment, excluding motor vehicles	133	262	510	855	989	1,295	1,128	1,689	1,302
Stone, clay and glass products	71	100	280	330	346	361	498	686	633
Other durable goods	118	265	524	1,167	1,239	1,110	1,214	1,447	1,411
Nondurable goods industries	1,187	2,393	4,356	6,018	6,260	5,948	6,003	7,331	7,916
Food and kindred products	205	337	523	760	812	765	718	799	798
Beverages	38	97	237	378	378	331	366	465	379
Textile-mill products	136	209	450	434	378	331	518	801	835
Paper and allied products	67	116	327	364	409	455	518	801	835
Chemicals and allied products	176	376	771	1,386	1,428	1,130	1,016	1,455	1,799
Petroleum and coal products	403	879	1,587	2,535	2,668	2,684	2,798	3,135	3,403
Rubber products	38	118	102	154	161	131	150	201	205
Other nondurable goods	121	261	359	377	404	451	437	475	494
Mining	326	383	707	985	986	975	957	1,241	1,221
Railroad	280	548	1,111	1,396	1,311	854	923	1,281	1,468
Other transportation	365	574	1,212	1,500	1,565	1,512	1,602	1,712	1,826
Public utilities	520	505	3,309	3,887	4,552	4,219	4,309	4,895	6,062
Communication	302	321	1,104	1,537	1,690	1,717	1,983		
Commercial and other	1,776	2,377	5,671	5,557	6,310	6,513	7,488	11,048	10,370

¹ Estimates based on anticipated capital expenditures as reported by business from late January to early March 1957.

² Excludes agriculture.

³ Fabricated metal products included with other durable goods.

Source: Securities and Exchange Commission and Department of Commerce, Office of Business Economics. Data published quarterly in Statistical Series releases of the Securities and Exchange Commission and in Survey of Current Business.

No. 605.—GROSS PRIVATE DOMESTIC INVESTMENT AND ITS COMPONENTS: 1929 TO 1956

[In billions of dollars. Consists of acquisitions of newly produced capital goods by private business and nonprofit institutions and of value of change in volume of inventories held by them; covers all private new dwellings, including those acquired by owner-occupants]

CLASS	1929	1933	1940	1949	1950	1951	1952	1953	1954	1955	1956 (prel.)
Gross private domestic investment, total	16.2	1.4	13.2	32.5	51.2	56.9	49.8	50.3	48.0	60.6	65.3
Nonfarm producers' plant and equipment, total ¹	9.3	2.2	6.9	21.7	25.5	29.1	29.6	31.9	30.5	33.3	40.2
Equipment ²	5.2	1.5	4.9	15.3	18.5	20.4	20.5	21.6	19.9	21.1	26.4
Construction ³	4.1	.8	2.0	6.4	7.0	8.8	9.1	10.3	10.6	12.2	13.8
Farm equipment and construction ⁴	.9	.2	.8	4.0	4.2	4.7	4.5	4.4	4.1	4.2	3.8
Residential construction (nonfarm) ⁵	3.6	.5	3.0	8.3	12.6	11.0	11.1	11.9	13.5	16.6	15.3
Other private construction ⁶	.7	.1	.3	1.3	1.5	1.7	1.6	1.8	2.1	2.3	2.6
Net change in business inventories, total	1.7	-1.6	2.2	-2.7	7.4	10.4	3.0	.3	-2.3	4.2	3.4
Nonfarm	1.8	-1.4	1.9	-1.9	6.4	9.0	2.1	.9	-2.7	3.8	3.6
Farm	-.2	-.3	.3	-.9	.9	1.4	.9	-.6	.5	.3	-.2

¹ Items for 1940 and earlier years are not comparable with those for later years. (See footnotes 3 and 5.)

² Total producers' durable equipment less farm machinery and equipment and farmers' purchases of tractors and business motor vehicles. These figures assume that farmers purchase 85 and 15 percent, respectively, of all tractors and motor vehicles used for productive purposes.

³ Industrial buildings, public utilities, gas- and oil-well drilling, warehouses, office and loft buildings, stores, restaurants, and garages. Includes hotel construction prior to 1949 only.

⁴ Farm construction (residential and nonresidential) plus farm machinery and equipment and farmers' purchases of tractors and business motor vehicles. (See footnote 2.)

⁵ Includes construction of hotels, tourist cabins, motor courts, and dormitories beginning 1949.

⁶ Comprises religious, educational, social and recreational, hospital and institutional, miscellaneous nonresidential, and all other private.

Source: Department of Commerce, Office of Business Economics. Published in *Economic Report of the President*, January 1957.

No. 606.—RESEARCH AND DEVELOPMENT EXPENDITURES: 1945 TO 1956

[Government data derived from actual Federal budget expenditures for research and development plus estimates of procurement expenditures used for research and development. Other data derived from many government and nongovernment sources]

YEAR	Total	SOURCE OF FUNDS			USE OF FUNDS BY—		
		Govern- ment	Industry	Uni- ver- sity	Govern- ment	Industry	Uni- ver- sity
EXPENDITURES (\$1,000,000)							
1945	1,520	1,070	430	20	430	990	100
1947	2,260	1,160	1,050	50	520	1,570	170
1948	2,610	1,390	1,150	70	570	1,820	220
1949	2,610	1,550	990	70	550	1,790	270
1950	2,870	1,610	1,180	80	570	1,980	320
1951	3,360	1,980	1,300	80	700	2,300	360
1952	3,750	2,240	1,430	80	800	2,530	420
1953	4,000	2,490	1,430	80	770	2,810	420
1954	4,140	2,460	1,600	80	700	3,020	420
1955	5,400	2,720	2,600	80	1,000	3,950	450
1956	6,500	3,170	3,250	80	1,110	4,920	470
PERCENT OF TOTAL							
1945	100	70	28	2	28	65	7
1947	100	51	47	2	23	69	8
1948	100	53	44	3	22	70	8
1949	100	59	38	3	21	69	10
1950	100	56	41	3	20	68	11
1951	100	59	39	2	21	68	11
1952	100	60	38	2	21	68	11
1953	100	62	36	2	19	70	11
1954	100	59	39	2	17	73	10
1955	100	50	48	2	19	73	8
1956	100	49	50	1	17	76	7

Source: Department of Defense, Office of the Secretary.

No. 607.—INDUSTRIAL RESEARCH AND DEVELOPMENT—COST AND PERSONNEL, BY INDUSTRY: 1953

[Based on sample survey. Includes enterprises having 8 or more employees. For detailed discussion, see source]

INDUSTRY	Number of companies ¹	RESEARCH AND DEVELOPMENT COST (\$1,000,000)		SCIENTISTS AND ENGINEERS ²			
		Total	Basic research	All types		Research and development	
				Total	Engineers	Total	Engineers
All industries	15,560	3,699.4	149.4	553,800	408,800	157,300	105,100
Manufacturing							
Food and kindred products	13,860	3,502.8	135.6	438,600	310,200	148,400	99,200
Textile-mill products and apparel	860	54.2	3.5	14,400	6,000	4,000	900
Paper and allied products	690	28.0	(3)	5,900	3,000	1,800	1,000
Chemicals and allied products	450	27.9	(3)	6,600	3,800	1,700	800
Petroleum products and extraction	1,640	361.1	37.8	62,700	26,000	21,500	5,500
Rubber products	260	145.9	11.1	35,500	22,600	6,800	2,900
Stone, clay, and glass products	170	53.6	3.1	7,800	4,600	3,800	2,100
Primary metal industries	400	38.0	3.6	9,600	6,200	2,100	1,100
Fabricated metal products and ordnance	410	59.8	4.2	26,600	16,000	3,700	1,600
Machinery	1,740	103.3	(3)	21,900	17,800	4,600	3,500
Electrical equipment	3,200	318.9	11.5	60,300	53,400	16,300	13,800
Aircraft and parts	1,140	778.3	18.7	61,000	51,100	28,800	24,600
Professional and scientific instruments	100	758.0	18.1	48,500	41,100	27,600	22,500
Other manufacturing	2,240	604.1	12.3	56,000	44,700	16,600	12,700
Nonmanufacturing							
Construction	1,700	196.6	13.7	115,100	98,500	9,000	6,200
Telecommunications and radio broadcasting	100	29.3	(3)	28,400	26,300	1,600	1,100
Transportation and other public utilities	110	113.0	9.1	28,600	27,400	3,700	2,800
Other nonmanufacturing	190	20.4	(3)	33,200	28,500	1,200	900

¹ Conducting research and development. ² Employed in January 1954.

^a Included with "Other manufacturing."

^b Includes a few companies with relatively small research programs engaged primarily in manufacturing coal products. ^c Included with "Other nonmanufacturing."

Source: National Science Foundation. *Science and Engineering in American Industry* (prepared by Department of Labor, Bureau of Labor Statistics).

No. 609.—NET CHANGE IN BUSINESS INVENTORIES: 1929 to 1956

[In millions of dollars. Net change in business inventories measures change in physical inventories, valued at average prices current during year. Difference between change in business inventories as thus measured and change in book value of inventories constitutes inventory valuation adjustment.]

ITEM	1929	1933	1940	1945	1950	1953	1954	1955	1956 (prel.)
Net change in business inventories, total	1,674	-1,629	2,172	-1,057	7,351	254	-2,262	4,165	3,500
Farm	-162	-259	270	-462	923	-617	466	340	-300
Nonfarm	1,836	-1,370	1,902	-595	6,428	871	-2,728	3,825	3,800
Net change in nonfarm inventories	1,836	-1,370	1,902	-595	6,428	871	-2,728	3,825	3,800
Corporate	1,558	-871	1,586	-1,027	4,924	445	-2,589	2,863	(1)
Noncorporate	278	-499	316	432	1,504	426	-139	962	(1)
Change in book value	1,222	1,298	2,147	75	12,426	2,058	-2,302	5,803	(1)
Corporate	1,086	1,272	1,786	-463	9,788	1,442	-2,275	4,601	(1)
Noncorporate	136	26	361	538	2,638	616	-87	1,202	(1)
Inventory valuation adjustment	614	-2,668	-245	-670	-5,998	-1,187	-366	-1,978	(1)
Corporate	472	-2,143	-200	-564	-4,864	-997	-314	-1,738	-2,500
Noncorporate	142	-525	-45	-106	-1,134	-190	-52	-240	(1)
Net change in nonfarm inventories by industrial groups	1,836	-1,370	1,902	-595	6,428	871	-2,728	3,825	3,800
Manufacturing	911	-578	1,218	-1,556	2,265	1,089	-2,779	1,801	(1)
Change in book value	598	828	1,357	-1,121	5,496	1,701	-2,457	3,163	5,500
Inventory valuation adjustment	313	-1,406	-139	-435	-3,231	-702	-322	-1,362	(1)
Wholesale trade	31	-89	183	560	1,356	0	43	386	(1)
Change in book value	74	208	173	665	2,458	103	7	477	1,000
Inventory valuation adjustment	105	-557	10	-105	-1,102	-103	36	-91	(1)
Retail trade	250	-488	482	272	2,404	278	41	1,705	(1)
Change in book value	77	220	563	358	3,653	531	108	2,028	(1)
Inventory valuation adjustment	173	-708	-81	-86	-1,249	-253	-67	-233	(1)
All other	644	-215	19	129	403	-496	-33	-157	(1)
Change in book value	621	-18	54	173	819	-367	-20	135	(1)
Inventory valuation adjustment	23	-197	-35	-44	-416	-120	-13	-292	(1)

¹ Not available.

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, July 1956 and February 1957, *National Income Supplement*, 1954, and records.

No. 610.—INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES: 1857 TO 1956

[Excludes all railroad failures. Series revised beginning 1933 to exclude real estate and financial companies. These revisions bring "Failures" more nearly in accordance with type of concerns covered by "Total concerns in business," in which no changes were made. Beginning 1939, new series includes voluntary discontinuances with loss to creditors and small concerns forced out of business with insufficient assets to cover all claims, in addition to failures included in former series. See also headnote, table 611.]

YEAR OR YEARLY AVERAGE	Total concerns in business ¹	Fail- ures	Current liabilities (\$1,000)	Aver- age liabil- ity	YEAR	Total concerns in business ¹	Fail- ures	Current liabilities (\$1,000)	Aver- age liabil- ity
1857-1860	224,597	4,185	132,025	\$31,762	1933 ²	1,960,701	19,859	457,520	\$23,038
1861-1865	301,574	2,038	52,873	25,944	1934	1,973,900	12,091	333,959	27,621
1866-1870	391,373	2,648	75,488	28,508	1935	1,982,905	12,244	310,580	25,366
1871-1875	522,340	5,147	158,221	30,740	1936	2,009,935	9,607	203,173	21,148
1876-1880	677,247	7,967	156,014	18,700	1937	2,056,598	9,490	183,258	19,310
1881-1885	858,537	8,622	143,228	16,338	1938	2,101,933	12,836	246,505	19,204
1886-1890	1,034,503	10,387	148,935	14,338	1939 ²	2,116,008	11,408	163,204	14,744
1891-1895	1,166,445	12,988	199,376	15,351	1940 ²	2,116,008	14,768	182,520	12,359
1896-1900	1,127,565	12,147	148,094	12,102	1940	2,156,450	13,619	166,684	12,239
1901-1905	1,286,304	11,981	126,578	10,836	1941	2,170,615	11,848	136,104	11,488
1906-1910	1,452,022	12,735	179,000	14,056	1942	2,151,549	9,405	100,763	10,713
1911-1915	1,607,221	17,073	265,410	15,545	1943	2,023,007	3,221	45,339	14,076
1916-1920	1,736,249	11,232	190,017	16,917	1944	1,855,033	1,222	31,600	25,908
1921-1925	2,013,406	20,775	555,531	26,740	1945	1,909,095	809	30,225	37,361
1926-1930	2,184,996	23,005	514,086	21,770	1946	2,141,807	1,129	67,349	59,654
1931-1935	2,023,875	20,860	553,336	26,526	1947	2,404,883	3,474	204,612	58,898
1936-1940	2,088,185	12,064	196,427	16,282	1948	2,550,018	5,250	234,620	44,690
1941-1945	2,021,860	5,301	68,852	12,988	1949	2,679,306	9,246	308,109	33,323
1946-1950	2,492,660	5,652	212,505	44,733	1950	2,688,786	9,162	248,283	27,099
1928	2,199,041	23,842	489,559	20,534	1951	2,607,977	8,058	259,547	32,210
1929	2,212,779	22,909	483,252	21,094	1952	2,637,004	7,611	283,314	37,224
1930	2,183,008	26,355	668,282	25,357	1953	2,666,680	8,862	394,153	44,477
1931	2,125,288	28,285	736,310	26,032	1954	2,632,312	11,086	462,628	41,731
1932	2,076,580	31,822	928,313	29,172	1955	2,633,063	10,969	449,380	40,968
1933 ²	1,960,701	20,307	502,830	24,761	1956	2,628,910	12,686	562,697	44,356

¹ For 1857-70 based on census of business by Mercantile Agency in 1857 and 1859; thereafter represents number of names listed in July issue of *Dun & Bradstreet Reference Book*. See table 614 for class of industries covered.

² See headnote regarding revisions. Figures in italics are comparable with preceding years.

Source: Dun & Bradstreet, Inc., New York, N. Y. Monthly data published currently in *Dun's Statistical Review*.

No. 616.—MERGERS AND ACQUISITIONS OF CONCERN IN MANUFACTURING AND MINING INDUSTRIES: 1919 TO 1956

[Data limited to actions reported by Moody's Investors Service and Standard and Poor's Corporation]

YEAR	Number	YEAR	Number	YEAR	Number	YEAR	Number
1919	438	1929	1,245	1939	87	1949	126
1920	760	1930	799	1940	140	1950	219
1921	487	1931	464	1941	111	1951	235
1922	309	1932	203	1942	118	1952	288
1923	311	1933	120	1943	213	1953	295
1924	368	1934	101	1944	324	1954	387
1925	554	1935	130	1945	333	1955	525
1926	856	1936	125	1946	419	1956	537
1927	870	1937	124	1947	404		
1928	1,058	1938	110	1948	223		

Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions*, 1955, and records.

No. 617.—MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERN ACQUIRED, BY SIZE OF ASSETS OF ACQUIRING CONCERN: 1940 TO 1956

[See headnote, table 616]

ASSETS OF ACQUIRING CONCERN	1940-1947		1948-1954		1955		1956	
	Number acquired	Per- cent	Number acquired	Per- cent	Number acquired	Per- cent	Number acquired	Per- cent
Total	2,062	100.0	1,773	100.0	525	100.0	537	100.0
Under \$1,000,000	239	11.6	56	3.2	5	0.9	6	1.1
\$1,000,000 to \$4,999,999	385	17.7	236	13.3	45	8.6	58	10.8
\$5,000,000 to \$9,999,999	264	12.8	246	13.9	65	12.4	63	11.7
\$10,000,000 to \$49,999,999	590	28.6	640	36.1	182	34.7	176	32.8
\$50,000,000 and over	604	29.3	522	29.4	172	32.7	178	33.2
Assets unknown			73	4.1	56	10.7	56	10.4

Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions*, 1955, and records.

No. 618.—MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERN ACQUIRED, BY INDUSTRY GROUP OF ACQUIRING CONCERN: 1948-1954, 1955, AND 1956

[See headnote table 616]

INDUSTRY GROUP OF ACQUIRING CONCERN	1948-1954		1955		1956	
	1,773	525	537			
Total						
Mining		81	34	35		
Manufacturing:						
Food and kindred products		243	54	53		
Tobacco manufacturers		4	2	3		
Textiles and apparel		117	32	34		
Lumber and furniture		40	5	11		
Paper and allied products		60	18	21		
Printing and publishing		24	4	8		
Chemicals		168	42	53		
Petroleum and coal products		35	7	13		
Rubber products		23	4	5		
Leather products		21	3	5		
Stone, clay, and glass products		70	18	13		
Primary metals		78	40	23		
Fabricated metals		161	45	27		
Machinery, except electrical		249	79	79		
Electrical machinery		111	45	39		
Transportation equipment		125	39	46		
Professional and scientific instruments		47	12	14		
Miscellaneous manufactures		20	16	12		
Nonmanufacturing		96	26	43		

Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions*, 1955, and records.

No. 619.—BANKRUPTCY CASES FILED AND PENDING: 1905 TO 1956

[For years ending June 30. Covers only U. S. District Courts. A bankruptcy case is a proceeding filed in a U. S. District Court under the National Bankruptcy Act. "Filed" means the commencement of a proceeding through the presentation of a petition to the clerk of the court; "pending" is a proceeding in which the administration has not been completed]

YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending
1905	16,946	27,957	1923	41,304	58,163	1941	56,335	56,506
1906	12,972	15,615	1924	43,519	59,208	1942	52,109	52,945
1907	14,160	14,608	1925	45,641	59,959	1943	34,711	39,803
1908	17,818	22,840	1926	46,374	58,917	1944	19,533	28,243
1909	18,018	27,804	1927	48,758	59,432	1945	12,862	21,461
1910	18,058	25,302	1928	53,064	58,870	1946	10,196	17,388
1911	19,338	29,602	1929	57,280	58,797	1947	13,170	17,296
1912	19,745	32,864	1930	62,845	61,410	1948	18,510	25,064
1913	20,930	35,405	1931	65,335	66,423	1949	26,021	30,566
1914	22,959	37,949	1932	70,049	72,970	1950	33,392	38,376
1915	27,632	43,515	1933	62,256	68,195	1951	35,193	40,922
1916	27,368	45,089	1934	68,888	63,482	1952	34,873	36,184
1917	24,838	45,298	1935	69,153	65,347	1953	40,087	38,786
1918	20,385	37,602	1936	60,624	62,527	1954	53,136	48,428
1919	14,048	31,997	1937	57,455	54,443	1955	59,404	55,592
1920	13,558	29,728	1938	57,306	54,277	1956	62,086	59,304
1921	22,812	37,341	1939	50,907	53,172			
1922	38,165	51,238	1940	52,320	54,740			

Source: Administrative Office of the United States Courts; *Tables of Bankruptcy Statistics*, 1940 to date; earlier years, annual reports of the Attorney General of the United States.

No. 620.—BANKRUPTCY CASES FILED, BY TYPE OF BANKRUPTCY: 1940 TO 1956

[For years ending June 30. Covers only U. S. District Courts. The majority of cases filed are voluntary straight bankruptcy petitions filed by employees and individuals not engaged in business]

YEAR	Total	STRAIGHT BANK-BRUPCTIES		Corporate reorganization ¹	Arrangements ²	Wage earners' plans ³	Other
		Voluntary	Involuntary				
1940	52,320	43,902	1,752	320	1,139	3,247	1,960
1941	56,335	47,581	1,491	269	840	4,433	1,721
1942	52,109	44,366	1,295	183	572	4,100	1,593
1943	34,711	30,913	649	114	227	2,007	801
1944	19,533	17,629	277	68	68	1,249	242
1945	12,862	11,101	264	72	46	1,248	131
1946	10,196	8,293	268	54	80	1,371	130
1947	13,170	9,657	697	96	298	2,354	68
1948	18,510	13,546	1,029	137	462	3,315	21
1949	26,021	18,882	1,240	149	548	5,111	91
1950	35,193	25,263	1,369	134	614	6,007	5
1951	35,193	20,594	1,099	88	481	6,924	7
1952	34,873	25,890	1,059	74	434	7,397	19
1953	40,087	29,815	1,064	86	452	8,670	
1954	53,136	41,335	1,398	104	661	9,634	4
1955	59,404	47,650	1,249	73	566	9,884	2
1956	62,086	50,655	1,240	40	612	9,535	4

¹ Includes petitions filed under Chapter X (Corporate Reorganization) of the National Bankruptcy Act.

² Includes petitions filed under Chapter XI (Arrangements) and Chapter XII (Real Estate Arrangements) of the National Bankruptcy Act.

³ Includes petitions filed under Chapter XIII (Wage Earners' Plans) of the National Bankruptcy Act.

No. 621.—BANKRUPTCY CASES FILED, BY OCCUPATION OF DEBTOR: 1948 TO 1956

[For years ending June 30. Covers only U. S. District Courts]

YEAR	Total	Merchants	Manufacturers	Farmers	Employees	Members of professions	OTHER	
							In business	Not in business
1948	18,510	1,338	808	167	12,546	114	2,546	991
1949	26,021	1,969	853	232	17,772	159	3,664	1,372
1950	33,392	2,565	803	290	22,933	126	4,568	2,107
1951	35,193	2,360	522	205	25,984	127	4,173	1,822
1952	34,873	2,319	532	196	26,527	137	3,358	1,804
1953	40,087	2,402	518	214	31,253	140	3,498	2,062
1954	53,136	3,191	745	322	40,889	154	4,476	3,359
1955	59,404	3,317	750	386	46,163	217	4,515	4,056
1956	62,086	3,155	730	400	48,784	212	4,981	3,824

Source of tables 620 and 621: Administrative Office of the United States Courts; *Tables of Bankruptcy Statistics*.

NO. 622.—PATENT APPLICATIONS AND PATENTS AND CERTIFICATES OF REGISTRATION: 1901 TO 1956

[Data comprise patents issued to citizens of United States and residents of foreign countries. On July 1, 1940, jurisdiction of prints and labels was transferred to the Copyright Office, Library of Congress, and data concerning them are compiled by that organization. For information on copyrights, see table 653, p. 524. See also *Historical Statistics*, series P 176-187.]

CALENDAR YEAR OR PERIOD	Patent applica- tions ¹	PATENTS ISSUED				CERTIFICATES OF REGISTRATION ISSUED					
		Total	Patents	Plant patents	Designs	Reis- sues	Total ²	Trade- marks	Trade- mark renew- als	Labels	Prints
1901-1905	263,417	148,291	143,791	-----	3,953	547	18,500	12,768	-----	4,579	1,243
1906-1910	307,187	175,618	171,560	3,297	761	30,375	32,060	-----	2,856	1,439	
1911-1915	350,097	194,387	186,241	-----	7,295	851	32,381	27,369	-----	3,522	1,490
1916-1920	368,737	207,108	197,644	-----	8,486	978	35,364	30,681	-----	3,411	1,272
1921-1925	428,591	217,525	203,977	-----	12,326	1,222	81,566	68,881	3,2,278	7,361	3,046
1926-1930	459,904	234,857	210,384	-----	13,796	1,677	97,458	71,460	12,706	8,736	4,457
1931-1935	342,861	256,219	239,092	161	15,079	1,887	72,721	52,432	9,220	8,466	2,603
1936-1940	359,544	220,514	200,902	275	26,458	1,879	71,785	52,709	8,408	8,128	* 2,540
1941-1945	294,273	184,573	164,438	229	18,883	1,023	52,203	34,447	17,756	-----	-----
1946-1950	400,342	163,122	144,160	335	18,018	609	85,654	61,372	24,282	-----	-----
1951-1955	379,058	209,215	192,898	441	15,086	790	100,971	83,340	17,631	-----	-----
1949	74,810	39,809	35,147	93	4,451	118	19,769	15,972	3,797	-----	-----
1950	74,295	48,009	43,072	90	4,718	129	20,383	16,829	3,584	-----	-----
1951	64,940	45,719	44,363	58	4,164	134	20,730	17,380	3,350	-----	-----
1952	68,384	46,890	43,667	101	2,959	163	19,598	16,179	3,419	-----	-----
1953	* 79,486	43,459	40,516	78	2,714	151	18,720	15,617	3,103	-----	-----
1954	82,968	36,664	33,872	101	2,536	155	19,443	15,952	3,491	-----	-----
1955	83,266	33,483	30,480	103	2,713	187	22,480	18,212	4,268	-----	-----
1956	80,035	50,085	46,849	101	2,977	158	24,515	20,759	3,756	-----	-----

¹ Comprises applications for patents for inventions, designs, and reissues of patents. Includes applications without fees from 1918 to date.

² Beginning 1947, excludes trade-mark publications (under Trade-Mark Act of 1946) of trade-marks registered under prior acts.

³ Data for year 1925.

⁴ Figures for 1940 are for the 6-month period ended June 30, 1940.

⁵ Because of change in reporting base, 1953 figures include applications received from Dec. 24, 1952, through Dec. 31, 1953.

Source: Department of Commerce, United States Patent Office; records. Fiscal year figures published in *Annual Report of the Secretary of Commerce*.

NO. 623.—PATENTS AND DESIGNS GRANTED TO RESIDENTS OF FOREIGN COUNTRIES: 1950 TO 1956

[See also *Historical Statistics*, series P 180]

COUNTRY	1950	1953	1954	1955	1956	COUNTRY	1950	1953	1954	1955	1956
Total	4,408	4,331	4,433	4,066	6,646	Italy	38	109	109	112	201
Argentina	25	54	42	23	40	Japan	2	17	21	50	78
Australia	68	55	44	38	61	Mexico	14	25	22	29	21
Austria	21	51	53	28	58	Netherlands	357	222	219	210	423
Belgium	47	76	73	62	72	New Zealand	10	19	10	9	12
Brazil	7	11	10	13	2	Norway	42	31	39	31	41
Canada	492	453	412	391	498	Philippines, Repub-	5	5	2	2	2
Czechoslovakia	47	22	11	5	5	Ic of the	2	1	-----	-----	-----
Cuba	20	12	19	9	19	Poland	-----	-----	-----	-----	-----
Denmark	60	32	40	37	50	Scotland	59	43	59	38	59
England	1,521	1,332	1,215	1,077	1,640	Spain	18	20	24	13	26
Finland	9	7	9	12	15	Sweden	294	256	285	246	339
France	685	543	503	397	677	Switzerland	429	362	359	340	553
Germany	25	473	747	818	1,608	Union of South Africa	25	15	18	11	24
Hungary	3	1	1	3	5	Union of Soviet So-	-----	-----	-----	-----	-----
Ireland ¹	9	3	3	5	6	cialist Republics	1	-----	-----	-----	-----
						Wales	6	4	6	6	15
						All other countries	69	76	77	57	96

¹ Includes Northern Ireland and Eire.

Source: Department of Commerce, United States Patent Office; records.

FIG. XXIX.—NUMBER OF RADIO AND TV STATIONS: 1945 TO 1955

[Excludes FM (independents). See table 646]

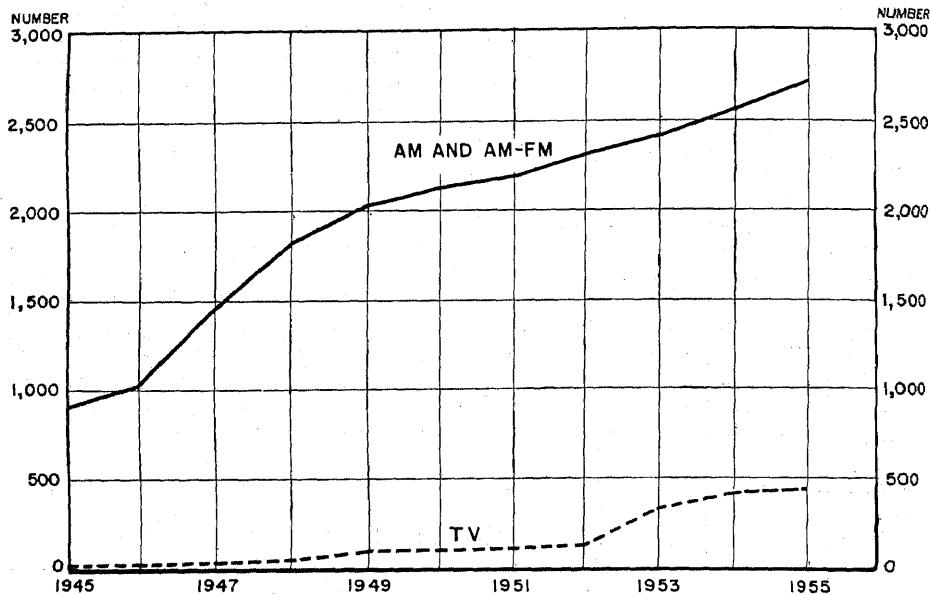
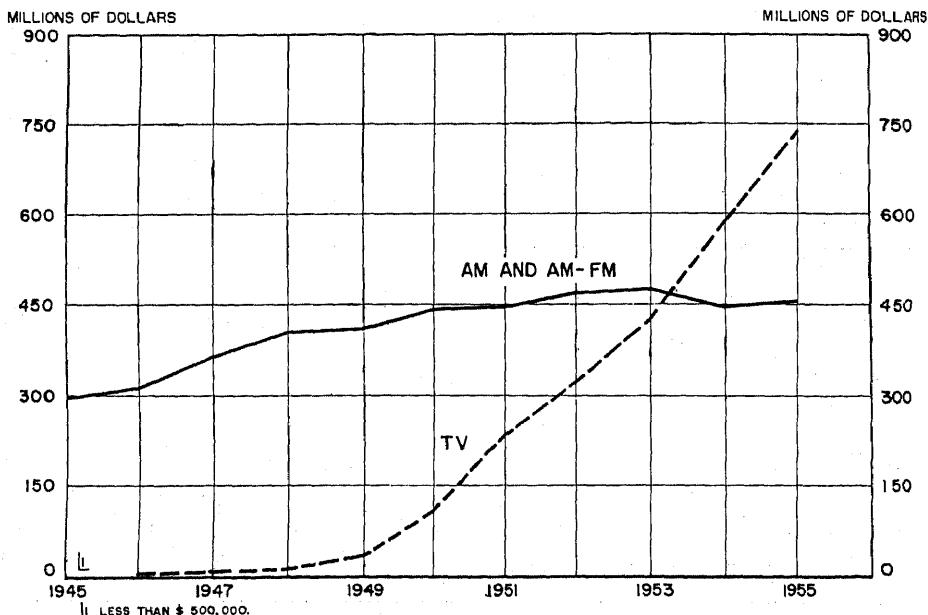


FIG. XXX.—BROADCAST REVENUES OF RADIO AND TV STATIONS: 1945 TO 1955

[Excludes FM (independents). See table 646]



Source of figs. XXIX and XXX: Charts prepared by Department of Commerce, Bureau of the Census. Data are from Federal Communications Commission.

Section 18

Communications

This section presents statistics relating to the usage, finances, and operations of the various communications and related media. Included are data concerning postal service, telephone, telegraph, radio, television, motion pictures, newspapers, and books. The principal sources of wire and wireless data are the Federal Communications Commission's annual *Statistics of the Communications Industry in the United States*, and *Annual Report*. Data concerning the postal service are included in the *Annual Report of the Postmaster General*. Statistics as to revenues, volume of mail, and the distribution of expenditures by classes of mail and services are presented in the Post Office Department's annual *Cost Ascertainment Report*.

Since the establishment of the Federal Communications Commission in 1934, statistical coverage of wire and wireless communications has been concentrated in that agency. According to the Communications Act of 1934, as amended, only carriers engaged in interstate, or foreign, communications service by means of their own facilities (or through the facilities of another carrier under direct or indirect common control) are subject to the full jurisdiction of the Commission. The Commission requires the filing of annual and monthly reports by these carriers except from the smallest carriers. The companies controlling any but the smallest of these carriers are also required to file annual reports.

Postal Service.—The postal statistics, unless otherwise noted, include data for outlying Territories, possessions, etc., except the Canal Zone.

"Cost ascertainment" is the term applied in the Post Office Department to describe its plan or system, partly accounting and partly statistical, for developing through the medium of a sampling procedure, data on the revenues, expenses, volumes, and average hauls fairly attributable to each of the several classes of mail handled by the Postal Service (first, second, third, fourth, foreign, penalty, franked, free for the blind, and air mail) and similar revenue, expense, and volume data for each of its special services (special delivery, money order, insurance, collect-on-delivery, registry, certified, and postal savings). Some of these types of information are also required for items classified as "unassignable" and for the several nonpostal services.

Telephone and telegraph systems.—Practically all of the wire-telegraph, ocean-cable, and radiotelegraph carriers are subject to the full jurisdiction of the Federal Communications Commission. A large number of telephone carriers engaged in interstate or foreign service only by connection with the facilities of another unaffiliated carrier are not subject to the full jurisdiction of the Commission. However, it is estimated that the gross operating revenues of the telephone carriers reporting annually cover over 90 percent of the revenues of all telephone carriers in the United States.

The term "system" is used, in general, for aggregations of lines operated by the larger companies. "Bell System" as referred to here, consists of the American Telephone & Telegraph Co. and its principal telephone subsidiaries.

Broadcasting.—The number of broadcast stations refers to the number licensed or holding construction permits. Total broadcast revenues are defined as total time sales of all networks and stations, less commissions to agencies and plus incidental

Note.—This section presents data for the most recent year or period available on April 15, 1957, when the material was organized and sent to the printer.

revenues, such as sale of talent, program material, etc. Reports filed with the Federal Communications Commission by broadcast stations and networks cover substantially all units in the industry which operate in the United States and its Territories, possessions, etc.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series P 165-167") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

No. 624.—UNITED STATES POSTAL SERVICE—SUMMARY: 1800 TO 1956

[For years ending June 30. See text, p. 505. For financial data, see also *Historical Statistics*, series P 165-167]

YEAR	Number of post offices	FINANCES			Revenue per capita	MONEY ORDERS ISSUED		Sales of postage stamps and other stamped paper	Postage paid under permit (1st, 2d, 3d, and 4th class)	Number of pieces of mail handled ⁴
		Revenues	Expenditures ¹	Surplus (+) or deficit (-) ¹		Domestic ²	International ³			
1800	903	\$1,000	\$1,000	\$1,000	Dollars	\$1,000	\$1,000	\$1,000	\$1,000	Millions
1810	2,300	281	214	+67						
1820	4,500	552	496	+56						
1830	8,450	1,112	1,161	-49						
1840	13,468	1,851	1,933	-82						
1850	18,417	4,544	4,718	-175	0.27					
		5,500	5,213	+287	.24					6124
1860	28,408	8,518	10,171	-10,653	.27					
1865	20,550	14,556	13,630	+917	.42	1,380				
1870	28,492	18,580	23,977	-5,098	.49	34,054	22			
1875	35,547	26,791	33,612	-6,820	.61	77,431	1,965			
1880	42,980	33,315	36,537	-3,222	.66	100,353	3,494			
1885	51,252	42,561	50,042	-7,481	.76	127,855	6,840			
1890	62,401	60,882	66,283	-5,401	.97	126,523	13,230			
1895	70,064	76,983	87,214	-10,230	1.12	156,709	12,906			
1900	76,688	102,355	107,765	-5,410	1.34	238,921	16,749	94,014		
1905	68,131	152,827	167,421	-14,594	1.82	401,916	42,503	139,617	850	10,198
1910	59,580	224,129	230,010	-5,581	2.43	558,178	89,558	202,065	4,418	14,850
1915	56,380	287,248	298,581	-11,333	2.85	665,249	51,662	256,037	7,527	
1920	52,641	437,150	454,421	-17,270	4.11	1,342,268	23,392	370,587	12,900	
1925	50,957	500,591	633,337	-33,745	5.28	1,549,487	35,730	507,572	39,302	25,835
1930	49,063	705,484	803,700	-98,216	5.75	1,735,490	51,788	574,851	73,545	27,888
1935	45,686	630,705	696,603	-66,808	4.94	1,829,137	22,836	473,407	96,206	22,332
1940	44,024	766,940	807,733	-40,784	5.84	2,103,092	13,120	521,753	176,503	27,749
1945	41,792	1,314,240	1,45,101	+169,139	9.44	4,866,086	21,107	953,770	252,318	37,912
1948	41,605	1,410,971	1,687,805	-276,834	9.70	4,962,778	17,260	820,904	463,509	40,280
1949	41,607	1,571,851	2,149,322	-577,471	10.62	5,344,674	14,374	856,266	582,596	43,555
1950	41,464	1,677,487	2,222,949	-545,492	11.14	5,164,887	15,760	862,313	675,317	45,064
1951	41,193	1,776,816	2,341,390	-564,583	11.61	5,652,046	20,334	888,357	740,525	46,908
1952	40,910	1,947,316	2,666,860	-719,544	12.50	5,945,587	26,662	948,430	836,310	48,906
1953	40,600	2,091,714	2,742,126	-650,412	13.20	6,203,322	30,330	985,172	931,147	50,948
1954	39,405	2,268,517	2,667,664	-399,147	14.08	6,047,737	33,234	998,065	1,053,207	52,213
1955	38,316	2,349,477	2,712,150	-362,673	14.33	5,864,833	30,905	999,085	1,133,636	55,234
1956	37,515	2,410,351	2,883,305	-463,051	14.51	5,925,963	31,745	1,010,523	1,196,498	56,441

¹ Expenditures and deficits through 1953 on cash-disbursement basis, i. e., they include payments in a year applicable to expenses of prior years; beginning 1954, on accrual basis, i. e., expenditures are shown in year in which obligation was incurred.

² First issued Nov. 1, 1864; includes postal notes issued under act of Congress, 1884-1894 and 1945-1951.

³ First issued Sept. 1, 1869. ⁴ Continental United States only. Data for years prior to 1926 are estimates.

⁵ 1847 data.

Source: Post Office Department; *Annual Report of the Postmaster General and Cost Ascertainment Report*.

No. 625.—POSTAL SERVICE REVENUES, BY SOURCE: 1920 TO 1956

[In thousands of dollars. For years ending June 30. See text, p. 505]

ITEM	1920	1925	1930	1935	1940	1945	1950	1955	1956
Total	437,150	599,591	705,484	630,795	766,949	1,314,240	1,677,487	2,349,477	2,419,351
Ordinary postal revenue ¹	424,406	585,333	686,426	598,358	732,137	1,246,777	1,605,940	2,266,254	2,340,976
Stamps, postal cards, etc.	379,587	507,572	574,851	473,407	521,753	953,770	802,313	998,741	1,009,200
Second-class postage paid in money (pounds rates) ²	25,100	29,610	28,584	18,431	23,033	25,286	40,261	64,485	68,653
Other postage paid in money under permit ²	12,960	39,301	73,545	96,206	176,503	252,318	678,042	1,136,436	1,199,120
Box rents	6,145	7,817	8,539	6,596	7,931	11,033	14,407	25,989	25,946
Miscellaneous	614	1,024	907	3,718	2,917	4,371	10,917	40,603	38,057
Money-order revenues	10,314	12,909	17,496	20,424	23,995	46,671	63,410	65,649	65,405
Interest and profit, Postal Savings System ⁴	2,430	1,340	1,562	12,013	10,817	20,792	8,131	17,574	12,973

¹ Net revenue after refunds of postage.

² Beginning 1950, includes fees previously included with miscellaneous.

³ Beginning 1953, includes controlled circulation publications.

⁴ Beginning 1955, includes Postal Savings service charge.

Source: Post Office Department; *Annual Report of the Postmaster General and Cost Ascertainment Report*.

COMMUNICATIONS

No. 626.—POSTAL REVENUES AND EXPENDITURES, BY CLASS OF MAIL AND TYPE OF SERVICE: 1954 to 1956

[In thousands of dollars. For years ending June 30]

MAIL AND SERVICE	1954			1955			Revenues, ¹ 1956
	Reve-nues	Appor-tion-ed ex-pen-ditures	Excess of reve-nues (+) or ex-pen-ditures (-)	Reve-nues ¹	Appor-tion-ed ex-pen-ditures	Excess of reve-nues (+) or ex-pen-ditures (-)	
			(+/-)			(+/-)	
All operations	2,277,767	2,676,914	-399,147	2,375,791	2,738,464	-362,674	2,448,988
Total postal operations	2,208,517	2,667,663	-390,147	2,340,477	2,712,150	-362,674	2,419,354
Nonpostal reimbursements and money order items	9,250	9,250	-	20,314	20,314	-	29,634
Revenue producing mails and services	2,240,096	2,501,384	-351,288	2,337,177	2,673,468	-336,291	2,412,863
1st class ²	908,398	845,070	+63,328	967,842	905,517	+62,325	1,013,679
Domestic air mail ³	133,449	120,851	+13,598	142,571	122,304	+20,105	150,938
2d class paid	61,655	280,009	-218,354	65,098	285,270	-210,587	65,891
3d class	252,351	309,538	-57,187	268,309	441,514	-173,205	266,019
4th class	587,417	610,708	-23,291	596,230	593,125	+3,105	592,815
Publications	4,143	5,194	-1,051	4,001	6,303	-1,403	5,713
International mail	81,462	86,739	-5,277	82,830	75,890	+6,940	85,495
Registry, paid	36,141	41,201	-5,060	35,434	44,154	-8,720	31,688
Certified mail ⁴				293	280	+13	4,003
Insurance	23,382	24,947	-1,565	23,840	24,641	-801	23,690
Collect-on-delivery	18,357	23,472	-5,115	16,802	24,252	-7,451	16,038
Special delivery	27,626	34,917	-7,291	27,218	37,573	-10,355	27,836
Money order	69,419	92,461	-23,042	65,649	95,792	-30,143	65,405
Postal savings	15,113	7,820	+7,284	17,574	7,842	+9,732	13,023
Box rent service							25,947
Stamped envelope service							17,263
Unassignable	21,183	9,448	+11,735	21,992	9,000	+12,992	7,420
Nonrevenue producing services	35,065	70,499	-35,434	37,031	50,985	-18,954	34,602
Free-in-county (2d class)		13,894	-13,894		13,885	-13,355	
Penalty	33,887	44,116	-10,229	35,088	33,410	+1,628	32,426
Franked	1,178	1,727	-549	1,998	1,582	+411	2,076
Free for blind		694	-694		769	-769	
Registry, free		10,068	-10,068		1,839	-1,839	
Nonpostal services	2,606	15,031	-12,425	1,583	14,012	-12,429	1,623
Allen address reporting	170	170		163	163		194
United States savings bonds and stamps	1,920	3,318	-1,398	685	968	-283	843
Civil service		1,970	-1,970		2,464	-2,464	
Documentary stamps		223	-223		249	-249	
Migratory bird stamps	154	138	+16	162	171	-9	116
Custodial services—public buildings	349	9,073	-8,724	341	0,649	-9,308	356
FCC—Health service	4	4		2	2		3
Official-mail-messenger service		117	-117		142	-142	
Department of Commerce, Census Bureau				93	93		
Miscellaneous items, other agencies				137	111	+26	111

¹ Net revenues.

² Includes free letter mail from members of Armed Forces.

³ Includes paid air mail to and from Armed Forces overseas, and outlying possessions of United States; also free air mail from members of Armed Forces, and air mail reimbursements.

⁴ Service inaugurated June 6, 1955.

Source: Post Office Department; *Cost Ascertainment Report*.

No. 627.—PER CAPITA DOMESTIC POSTAGE PAID AND PIECES OF MAIL RECEIVED: 1942 TO 1956

[For years ending June 30]

ITEM	1942	1945	1948	1949	1950	1951	1952	1953	1954	1955	1956
Postage paid per capita.....dollars..	5.57	7.83	7.88	8.83	9.41	10.18	10.61	11.26	12.11	12.47	12.68
Domestic mail received per capita.....pieces..	211	257	264	281	287	204	307	308	310	324	325
Letters (1st class and air mail) ..do..	130	166	166	163	168	174	179	181	177	184	189
2d class ..do..	34	42	44	47	42	43	45	43	40	41	41
3d class ..do..	41	41	56	63	69	69	75	76	86	92	88
Parcels ..do..	6	8	8	8	8	8	8	8	7	7	7

Source: Post Office Department; *Cost Ascertainment Report*.

POSTAL SERVICE

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No. 628.—DELIVERY SERVICE—CITY AND VILLAGE, RURAL, AND SPECIAL: 1870 TO 1956

[As of June 30]

YEAR	CITY AND VILLAGE DELIVERY			RURAL DELIVERY				SPECIAL DELIVERY	
	Number of offices	Number of regular carriers	Annual cost ¹	Number of routes	Length of routes	Annual travel	Annual cost	Number of specials	Cost of service ²
1870	3 51	3 1,362	\$1,000						
1880	3 104	3 2,628	3 2,364						
1890	3 454	3 9,066	3 7,978						
1900	3 706	3 15,322	3 14,671	1,259	28,685				
1910	3 1,492	3 28,715	3 31,738	41,079	993,068	303,007	420	1,614	5,192
1920	2,729	37,085	63,026	43,445	1,151,832	348,627	75,706	68,818	15,440
1930	3,813	54,705	126,301	43,278	1,334,842	404,738	106,338	101,770	12,058
1940	4,020	59,407	143,663	32,646	1,401,600	424,704	91,441	96,381	11,488
1941	4,030	61,058	149,668	32,445	1,411,573	427,756	91,502	103,538	12,202
1942	4,057	63,746	156,226	32,292	1,420,971	430,728	91,636	115,685	13,450
1943	4,088	59,246	172,360	32,179	1,425,860	432,281	96,513	135,511	(4)
1944	4,097	58,344	184,310	32,112	1,428,475	433,120	104,691	133,340	5 17,476
1945	4,124	58,181	190,392	32,106	1,435,059	435,200	106,853	120,579	5 16,521
1946	4,194	65,855	247,973	32,161	1,441,538	437,248	117,403	102,222	25,497
1947	4,276	67,814	287,356	32,249	1,449,767	439,750	128,582	103,597	28,876
1948	4,369	78,198	308,976	32,412	1,465,108	444,424	131,119	118,835	29,538
1949	4,508	86,427	392,361	32,559	1,480,710	449,361	152,704	120,176	32,063
1950	4,667	90,216	406,517	32,619	1,493,305	453,260	159,387	115,044	32,464
1951	4,707	84,944	395,627	32,513	1,486,775	451,250	168,856	124,594	34,066
1952	4,786	85,864	466,000	32,546	1,499,910	455,345	188,912	122,634	40,511
1953	4,851	87,537	483,884	32,542	1,512,689	450,307	192,431	114,158	34,193
1954	4,948	89,671	506,223	32,370	1,527,289	463,909	191,772	106,285	34,917
1955	5,032	91,418	534,890	32,076	1,544,704	460,283	194,045	105,289	37,409
1956	5,128	94,692	603,747	31,888	1,582,800	480,129	205,812	107,933	(9)

¹ Represents audited expenditures.² Fees paid special messengers plus apportionment of other expenditures.³ City delivery service. ⁴ Cost ascertainment work not conducted for 1943.⁵ Temporary increase of 15 percent in fees paid to special-delivery messengers.⁶ Not available.Source: Post Office Department; *Annual Report of the Postmaster General and Cost Ascertainment Report*.

No. 629.—POSTAL SERVICE EXPENDITURES, BY OBJECT: 1951 TO 1956

[In thousands of dollars. For years ending June 30. Data cover expenditures during specified year and include unliquidated obligations, whether on account of that year or of previous years. See text, p. 505]

OBJECT	1951	1952	1953	1954	1955	1956
Total apportioned expenditures	2,333,138	2,679,818	2,760,011	2,676,914	2,738,464	2,912,940
Postal operations						
Salaries and travel of postmasters and assistants	129,342	148,520	153,993	1 242,140	248,833	266,408
Salaries and travel of clerks, etc.	730,175	809,071	905,170	802,033	825,938	870,974
City delivery service	395,627	466,000	483,884	506,223	534,890	603,747
Rural delivery service	168,856	188,912	192,431	191,772	194,945	205,812
Postal transportation service	146,087	170,626	180,360	178,723	180,178	191,227
All other	249,904	249,941	258,713	280,833	291,338	433,120
Transportation of mails	557,958	565,293	466,535	429,405		
Railroad and electric car	322,590	358,089	314,569	317,793	297,166	293,346
Star route	38,262	41,231	40,709	40,026	41,072	
Short haul truck	3,150	6,139	7,872	9,352	10,531	
Powerboat	2,930	2,823	2,833	2,544	2,574	
Highway post offices	1,863	2,644	2,849	3,822	4,727	
Domestic air mail	67,946	67,844	72,634	46,590	33,720	35,134
Foreign air mail	58,961	57,582	63,264	36,736	27,135	30,133
Other foreign mail ²	27,262	31,990	17,153	15,041	15,603	
Other	3 75					
Claims and miscellaneous	5,931	6,381	6,576	5,715	5,813	
General administration and overhead apportioned		22,827	21,958	24,190	37,682	44,501
Miscellaneous items, other agencies				45		

¹ Beginning 1954, includes supervisors; formerly included with clerks.² Includes terminal and transportation charges by foreign countries.³ Includes rental of truck terminal facilities.Source: Post Office Department; *Cost Ascertainment Report*.

No. 630.—POST OFFICE OPERATIONS—VOLUME OF MAIL, BY CLASSES: 1950 TO 1956

[For years ending June 30]

CLASS OF MAIL OR SERVICE	1950	1951	1952	1953	1954	1955	1956
PIECES OF MAIL (1,000)							
All mail	45,063,737	46,908,410	49,905,875	50,948,156	52,213,170	55,233,564	56,441,216
Domestic mail							
1st class	44,646,425	46,479,529	49,456,860	50,462,659	51,710,836	54,721,728	55,907,256
2d class	24,500,072	25,577,710	26,502,326	27,286,993	27,085,308	28,713,340	30,077,567
3d class	853,183	1,094,335	1,390,730	1,429,680	1,470,337	1,467,482	1,487,102
4th class	6,264,838	6,519,623	6,956,420	6,762,475	6,483,489	6,739,803	6,014,504
5th class	10,342,021	10,533,785	11,630,346	12,003,642	13,865,589	15,049,722	14,076,073
Publications ¹	1,179,415	1,235,450	1,256,866	1,244,505	1,195,055	1,135,550	1,173,249
Penalty				56,145	70,932	85,262	102,138
Franked	1,471,750	1,470,173	1,681,355	1,657,701	1,492,296	1,479,676	1,411,980
Free for blind	31,866	36,903	36,019	48,868	45,074	47,668	61,060
2,381		2,550	2,594	2,650	2,756	3,226	3,513
International mail	417,312	428,881	449,215	485,497	502,334	511,835	533,960
Regular mail ²	189,821	198,580	198,952	215,816	224,473	234,760	223,774
Parcel post	9,459	12,375	12,551	12,472	10,323	8,493	8,337
U. S. A. gift parcels	11,520	3,180	1,742	1,146			
Publishers' 2d class	84,582	87,325	98,748	107,028	113,434	110,253	123,754
Air mail ²	121,226	126,754	136,434	148,170	153,231	157,496	177,274
Air parcel post	695	667	787	865	873	835	821
WEIGHT OF MAIL (1,000 pounds)							
All mail	11,521,370	11,909,135	11,500,516	11,204,044	11,003,639	10,844,369	10,928,906
Domestic mail							
1st class	11,176,403	11,644,019	11,248,045	10,961,538	10,803,169	10,667,659	10,755,052
2d class	620,265	666,916	701,685	748,092	749,053	804,419	873,610
3d class	53,149	63,443	78,272	76,942	81,689	84,775	91,085
4th class	2,286,749	2,354,993	2,412,658	2,406,590	2,504,459	2,582,348	2,702,559
Publications ¹	646,198	662,959	711,546	726,081	811,347	892,015	914,606
Penalty	7,370,096	7,696,475	7,114,620	6,652,371	6,403,686	6,034,555	5,904,067
Franked				30,577	38,860	44,473	53,393
Free for blind	183,250	183,249	211,100	204,632	189,342	201,049	193,756
2,723		3,862	3,988	5,950	4,843	4,522	4,700
11,973		12,123	14,177	18,504	19,800	19,504	20,206
International mail	344,967	265,116	252,470	242,505	200,470	176,710	170,854
Regular mail ²	24,955	27,745	26,631	29,588	33,930	33,319	31,218
Parcel post	94,768	138,528	138,542	130,023	100,610	81,072	75,155
U. S. A. gift parcels	176,647	52,489	31,144	18,569			
Publishers' 2d class	43,167	40,711	51,042	56,822	59,067	54,281	56,574
Air mail ²	4,280	4,498	4,713	5,210	5,388	5,677	6,222
Air parcel post	1,150	1,144	1,308	1,303	1,475	1,400	1,655

¹ Included with 3d and 4th class prior to 1963.² Comprises letters, cards, and other articles.Source: Post Office Department; *Cost Ascertainment Report*.

No. 631.—POST OFFICE EMPLOYEES, BY TYPE: 1930 TO 1956

[As of June 30. For 1945-1956, figures include classified and war-service regular employees of all activities]

TYPE	1930	1935	1940	1945	1950	1955	1956
Total ¹	339,542	308,802	353,156	435,955	500,578	511,613	508,587
Full time							
Departmental (bureaus and offices) ²	254,563	236,472	266,076	278,442	363,774	366,901	373,383
Regional ³	1,476	1,287	1,431	1,626	1,775	1,530	1,343
Postmasters	49,066	45,350	44,093	41,792	41,464	38,316	37,515
Post Office supervisors ⁴	2,781	2,553	2,701	3,420	3,540	20,607	21,271
Clerks, mail handlers, 1st- and 2d-class post offices ⁴	76,905	69,358	82,910	93,941	141,092	128,457	129,873
City and village carriers	54,705	50,038	59,407	58,181	90,216	91,418	94,692
Rural carriers	43,178	34,768	32,570	32,031	32,553	32,022	31,837
Postal transportation	20,574	18,527	20,087	20,546	27,126	29,224	28,771
Custodial service		9,293	17,328	18,606	15,743	13,338	13,543
All other	5,878	5,303	5,549	8,399	10,265	9,390	10,020
Part time (field)	84,979	72,330	87,080	157,513	136,804	144,712	135,204

¹ 48-hour workweek for full-time field employees for 1930, 44 for 1935, and 40 beginning 1940.² As of final pay period for 1930 to 1950; as of June 30 beginning 1954.³ Comprises regional accounting, money order center, and supply center personnel.⁴ Assistant Postmasters only prior to 1954.⁵ Includes Post Office supervisors prior to 1954.⁶ Law enacted granting annual and sick leave with pay to substitutes.Source: Post Office Department; *Annual Report of the Postmaster General*.

COMMUNICATIONS

No. 633.—AMERICAN TELEPHONE & TELEGRAPH CO. AND PRINCIPAL TELEPHONE SUBSIDIARIES (BELL TELEPHONE SYSTEM)—SUMMARY: 1925 TO 1956

[As of December 31]

ITEM	1925	1930	1935	1940	1945	1950	1955	1956
Telephones.....	1,000	11,910	15,187	13,573	17,484	22,446	35,343	46,218
Central offices, number.....	6,147	6,639	6,836	7,052	7,374	8,470	9,751	10,028
Miles of pole line.....	394,529	428,212	407,444	390,838	420,009	502,892	1,601,466	1,611,450
Miles of wire.....	1,000	44,943	74,124	78,626	80,306	99,759	141,781	197,145
In underground cable.....	27,769	45,116	47,639	54,339	60,759	86,968	116,384	126,583
In aerial cable.....	12,835	23,777	26,425	30,307	33,966	48,240	73,279	81,074
Open wire.....	4,339	5,231	4,562	4,660	5,034	6,578	7,482	7,987
Percent total wire mileage in cable.....	99.3	92.9	94.2	94.8	95.0	95.3	96.2	96.3
Miles of coaxial tube ¹					10,146	62,741	78,547	82,435
Miles of microwave radio relay, broad band channel ¹						7,517	125,438	120,470
Average daily telephone con- versations, total.....	1,000	50,141	64,034	60,200	70,303	90,548	140,782	168,936
Local.....	48,051	61,150	58,086	76,560	85,877	134,870	161,788	178,610
Toll and long distance.....	2,090	2,884	2,224	2,743	4,671	5,912	7,148	7,737
Total plant.....	\$1,000	2,566,800	4,028,836	4,187,700	4,747,674	5,702,057	10,101,522	15,340,495
Operating revenue.....	do	737,560	1,075,228	919,116	1,174,322	1,930,889	3,261,528	5,297,043
Taxes.....	do	58,113	84,732	94,507	184,770	399,917	499,451	1,041,418
Employees, number ²	335,858	391,746	268,754	323,701	474,527	602,466	745,620	786,719
American Tel. & Tel. Co. stockholders, num- ber.....	362,179	567,694	657,465	630,902	683,897	985,583	1,408,851	1,492,297

¹ Source: Federal Communications Commission.² Includes employees of Western Electric Co. and Bell Telephone Laboratories.Source: American Telephone & Telegraph Co., New York, N. Y.; *Annual Report*, except as indicated.

No. 634.—TELEPHONES—NUMBER AND WIRE MILEAGE IN ALL SYSTEMS, AND NUMBER OF TELEPHONES OWNED BY THE BELL SYSTEM: 1880 TO 1956

[As of December 31. Number of telephones represents total number of instruments in service]

YEAR	Total tele- phones ¹	Total miles of wire ¹	Telephones owned by Bell System ²	YEAR	Total tele- phones ¹	Total miles of wire ¹	Telephones owned by Bell System ²
1880	47,900	30,000	47,900	1935	17,424,000	87,200,000	13,573,000
1885	155,800	156,000	155,800	1936	18,433,000	88,100,000	14,454,000
1890	227,900	332,000	227,900	1937	³ 19,453,401	³ 90,831,421	15,332,000
1895	339,500	722,000	309,500	1938	19,963,000	92,850,000	15,761,000
1900	1,355,900	2,807,000	835,900	1939	20,831,000	95,150,000	16,536,000
1905	4,126,900	8,470,000	2,285,000	1940	21,928,000	99,250,000	17,484,000
1910	7,635,400	16,937,000	3,033,000	1941	23,521,000	105,550,000	18,841,000
1915	10,523,500	24,792,000	5,968,000	1942	24,919,000	108,300,000	20,013,000
1920	13,329,400	32,000,000	8,134,000	1943	26,381,000	108,000,000	21,247,000
1922	³ 14,347,395	³ 37,265,958	9,324,000	1944	26,859,000	109,000,000	21,580,000
1923	15,369,500	41,400,000	10,202,000	1945	27,867,000	110,700,000	22,446,000
1924	16,072,800	46,500,000	11,168,000	1946	31,611,000	116,600,000	25,709,000
1925	16,935,900	52,200,000	11,910,000	1947	34,867,000	125,500,000	28,507,000
1926	17,746,000	57,960,000	12,671,000	1948	35,205,000	137,600,000	31,364,000
1927	³ 18,522,767	³ 63,836,182	13,405,000	1949	40,709,000	147,300,000	33,388,000
1928	19,341,000	69,130,000	14,178,000	1950	43,004,000	156,700,000	35,343,000
1929	20,068,000	76,460,000	15,035,000	1951	45,636,000	165,100,000	37,414,000
1930	20,201,000	83,110,000	15,187,000	1952	48,056,000	176,000,000	39,414,000
1931	19,690,000	86,100,000	14,911,000	1953	50,372,000	188,200,000	41,363,000
1932	³ 17,424,406	³ 87,677,586	18,307,000	1954	52,806,000	201,500,000	43,322,000
1933	16,711,000	87,000,000	12,819,000	1955	56,243,000	218,100,000	46,218,000
1934	16,869,000	86,800,000	13,117,000	1956	60,190,000	238,600,000	49,438,000

¹ Estimated by American Telephone & Telegraph Co., except as indicated.² Data for years 1920 to date are for the American Telephone & Telegraph Co. and its principal telephone subsidiaries. For earlier years the data are for the Bell System as then constituted. Excludes Bell-connecting.³ Bureau of the Census data.Source: American Telephone & Telegraph Co., New York, N. Y.; *Annual Report* and records.

No. 635.—TELEPHONE SYSTEMS—SUMMARY, CLASS A CARRIERS: 1926 TO 1955

[All money figures in thousands. Includes Hawaii and Puerto Rico. Excludes intercompany duplications. Covers class A telephone carriers filing annual reports with F. C. C. Class A carriers are those whose annual operating revenues exceeded \$100,000 for years prior to 1951, and \$250,000 thereafter; comparability of data relatively unaffected by change in coverage. Gross operating revenues of class A carriers (excluding intercompany duplications of Bell System) reporting in 1937 represented approximately 94 percent of revenues of all telephone carriers as reported for Census of Electrical Industries for that year]

YEAR	Miles of wire (1,000)	Telephones (1,000)	Employees, number ¹	Total compensation ²	YEAR	Miles of wire (1,000)	Telephones (1,000)	Employees, number ¹	Total compensation
1926-----	54, 541	14, 413	323, 217	\$432, 210	1947-----	117, 051	31, 277	556, 682	\$1, 435, 509
1929-----	73, 775	17, 026	387, 778	550, 210	1948-----	120, 206	34, 224	585, 456	1, 666, 587
1930-----	80, 660	17, 139	347, 106	555, 951	1949-----	138, 367	36, 416	559, 718	1, 754, 103
1933-----	82, 349	14, 336	267, 871	370, 073	1950-----	147, 380	38, 525	564, 984	1, 797, 841
1935-----	82, 578	15, 157	265, 699	402, 836	1951-----	154, 810	40, 426	586, 809	1, 975, 535
1937-----	85, 612	17, 055	295, 777	489, 721	1952-----	164, 776	42, 404	615, 141	2, 200, 657
1940-----	93, 688	19, 336	304, 595	537, 148	1953-----	175, 929	44, 363	625, 832	2, 378, 680
1945-----	104, 388	24, 814	308, 263	936, 060	1954-----	188, 839	46, 452	614, 369	2, 496, 657
1946-----	110, 029	28, 208	525, 175	1, 305, 431	1955-----	204, 879	49, 753	648, 827	2, 692, 871

YEAR	Number of carriers	Investment in telephone plant	DEPRECIATION AND AMORTIZATION RESERVES		Operating revenues	Operating ratio ³ (percent)	Taxes	Net operating income after all tax deductions	Net income	Dividends declared
			Amount	Ratio to investment (percent)						
1935-----	91	\$4, 471, 787	\$1, 106, 264	24.74	\$973, 043	60.65	\$99, 176	\$106, 107	\$150, 976	\$186, 963
1936-----	87	4, 548, 692	1, 191, 737	26.20	1, 052, 215	66.25	121, 542	233, 594	204, 329	188, 532
1937 ⁴ -----	81	4, 687, 695	1, 268, 009	27.05	1, 112, 644	67.27	142, 386	221, 821	201, 301	189, 502
1938-----	81	4, 706, 344	1, 323, 849	27.60	1, 115, 020	68.00	152, 065	204, 702	170, 730	185, 334
1939-----	78	4, 904, 828	1, 378, 177	28.10	1, 172, 129	66.13	163, 885	233, 107	205, 984	185, 026
1940-----	78	5, 071, 277	1, 437, 727	28.35	1, 243, 292	65.33	193, 637	237, 391	221, 234	185, 080
1945-----	76	6, 056, 982	2, 166, 601	35.77	2, 037, 079	65.89	420, 628	274, 193	100, 645	193, 206
1946-----	74	6, 681, 967	2, 349, 391	35.16	2, 211, 519	75.73	273, 162	263, 634	227, 237	199, 314
1947-----	73	7, 786, 202	2, 513, 296	32.28	2, 355, 810	80.38	260, 761	201, 421	170, 684	203, 078
1948-----	71	9, 100, 035	2, 664, 208	29.26	2, 773, 408	78.92	310, 634	274, 121	228, 478	218, 755
1949-----	71	9, 983, 486	2, 795, 295	28.00	3, 056, 485	77.47	366, 640	322, 099	252, 214	284, 251
1950-----	71	10, 702, 322	2, 979, 466	27.84	3, 444, 568	71.52	525, 985	454, 999	371, 520	269, 733
1951-----	56	11, 546, 813	3, 186, 344	27.60	3, 817, 537	70.68	659, 279	400, 160	377, 428	303, 375
1952-----	54	12, 608, 517	3, 411, 441	27.06	4, 228, 750	70.63	737, 732	504, 452	420, 733	346, 388
1953-----	54	13, 749, 883	3, 618, 086	26.31	4, 628, 118	69.64	888, 053	567, 192	496, 507	398, 972
1954-----	52	14, 898, 749	3, 836, 432	25.75	5, 013, 181	68.55	929, 144	647, 680	569, 600	449, 585
1955-----	53	16, 224, 354	4, 007, 601	25.26	5, 561, 530	66.60	1,093, 585	763, 994	694, 119	407, 726

¹ As of Dec. 31 prior to 1943; end of October, thereafter. ² Data for 1926 through 1930 include estimates.

³ Ratio of operating expenses to operating revenues.

⁴ In comparing figures in this table, consideration should be given to the minor effect of revisions of Uniform System of Accounts, effective Jan. 1, 1937, resulting in certain changes in and rearrangements of both balance sheet and income statement.

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States*.

No. 636.—RURAL ELECTRIFICATION ADMINISTRATION—TELEPHONE LOAN ALLOCATIONS, MILES OF POLE LINE, AND SUBSCRIBERS: 1950 TO 1956

[For years ending December 31. Cumulative beginning October 28, 1949]

YEAR	TOTAL LOAN ALLOCATIONS ¹		MILES OF POLE LINE			SUBSCRIBERS PROVIDED FOR		
	Borrowers	Amount	Total	To be added ²	Present ³	Total	To be added	Present
1950-----	61	\$18, 831, 000	21, 408	19, 833	1, 575	74, 585	45, 449	29, 136
1951-----	146	54, 221, 500	52, 604	47, 391	5, 213	187, 972	101, 062	86, 910
1952-----	231	106, 123, 718	86, 108	79, 151	6, 957	291, 771	160, 377	131, 304
1953-----	240	150, 939, 218	104, 238	96, 056	8, 182	343, 708	186, 270	157, 438
1954-----	309	208, 646, 542	141, 079	131, 814	9, 765	456, 799	240, 969	215, 830
1955-----	415	273, 679, 542	178, 633	163, 484	15, 149	606, 894	310, 700	206, 194
1956-----	509	351, 500, 542	221, 841	196, 243	25, 598	784, 172	373, 618	410, 554

¹ Cumulative net loan allocations (rescissions deducted). Includes amounts not yet under loan contract.

² Comprises miles of pole line to be constructed or rebuilt.

³ Excludes miles of pole line to be rebuilt.

Source: Department of Agriculture, Rural Electrification Administration; *Agricultural Statistics*.

No. 637.—TELEPHONE SYSTEMS—SELECTED DATA OF CLASS A CARRIERS, BY STATES AND OTHER AREAS: 1955

[For year ending December 31. Represents class A carriers (those having annual operating revenues exceeding \$250,000) reporting to Federal Communications Commission]

STATE OR OTHER AREA	Miles of wire in cable	Miles of aerial wire	Central offices	NUMBER OF CALLS ORIGINATING FROM COMPANY AND SERVICE TELEPHONES ¹		COMPANY TELEPHONES ²			State taxes ³
				Local	Toll	Total	Business	Residence	
Total.....	1,000 4,199,054	1,000 4,5825	11,212 77,265,410	1,000 2,628,959	1,000 49,199	1,000 49,199	1,000 14,709	1,000 34,490	\$1,000 4,390,814
Cont. U. S.									
Alabama.....	198,473	5,797	11,077	76,851,224	2,622,533	49,005	14,636	34,369	\$ 388,877
Arizona.....	2,415	135	131	1,151,435	16,593	506	130	376	2,830
Arkansas.....	1,033	64	67	454,353	8,461	252	90	162	3,392
California.....	896	106	105	473,259	12,365	254	80	174	1,858
Colorado.....	20,665	263	804	7,279,377	183,915	4,502	1,476	3,026	40,334
Connecticut.....	1,701	133	213	915,465	17,721	536	178	378	3,461
Delaware.....	4,839	43	146	1,320,760	89,352	1,022	284	738	4,012
Dist. of Col.....	675	12	34	208,393	13,030	165	50	115	348
Florida.....	1,979	—	35	748,804	13,828	550	260	290	3,131
Georgia.....	4,138	97	136	1,267,290	33,180	777	295	482	6,614
Idaho.....	3,276	195	188	1,542,655	30,862	722	212	510	5,272
Illinois.....	401	82	113	272,396	8,348	163	46	117	1,838
Indiana.....	12,680	140	411	3,957,612	222,081	3,105	1,020	2,085	31,641
Iowa.....	4,197	138	276	1,769,919	61,795	1,122	308	814	8,265
Kansas.....	1,785	163	189	979,894	28,218	596	152	444	3,025
Kentucky.....	2,140	184	195	837,681	19,280	572	153	419	4,914
Louisiana.....	1,765	146	206	951,101	18,508	479	121	358	2,501
Maine.....	3,247	146	202	1,746,648	27,917	713	197	516	6,936
Maryland.....	805	68	147	332,473	16,556	234	63	171	1,550
Massachusetts.....	3,986	92	194	1,218,632	42,538	925	243	682	7,063
Michigan.....	7,363	67	343	2,751,971	183,996	1,907	546	1,361	11,401
Minnesota.....	9,506	270	580	4,241,125	108,435	2,597	680	1,917	12,520
Mississippi.....	2,970	137	222	1,548,984	26,561	849	239	610	6,065
Missouri.....	1,127	141	200	635,165	16,720	296	84	212	3,524
Montana.....	4,991	146	260	2,011,286	46,880	1,168	344	824	7,966
Nebraska.....	317	81	107	288,039	6,606	172	51	121	1,094
Nevada.....	887	75	124	431,570	10,607	256	74	182	2,088
New Hampshire.....	212	33	24	58,542	2,680	39	16	23	475
New Jersey.....	512	49	119	198,305	14,986	166	44	122	927
New Mexico.....	9,361	49	275	2,599,565	335,019	2,222	602	1,620	19,136
New York.....	522	62	64	327,046	7,724	177	67	110	1,443
North Carolina.....	26,806	165	903	8,988,412	324,266	6,668	2,225	4,443	79,907
North Dakota.....	2,720	194	247	1,189,677	33,017	609	178	431	6,881
Ohio.....	198	68	144	211,669	5,012	100	30	70	1,004
Oklahoma.....	10,843	187	539	4,204,707	104,912	2,731	710	2,021	17,312
Oregon.....	2,517	160	215	1,117,606	28,110	621	192	429	4,611
Pennsylvania.....	1,871	88	180	863,271	29,163	528	156	372	4,648
Rhode Island.....	13,210	125	512	4,459,848	196,434	3,410	899	2,511	10,421
South Carolina.....	1,121	11	42	433,036	15,984	285	79	206	2,452
South Dakota.....	1,300	108	89	561,299	13,430	286	84	202	2,874
Tennessee.....	282	86	142	215,663	5,467	135	38	97	930
Texas.....	3,287	196	236	1,777,334	27,372	797	217	580	6,503
Utah.....	10,928	457	707	4,668,624	96,256	2,312	739	1,573	19,109
Vermont.....	768	51	85	544,239	8,451	252	69	183	1,348
Virginia.....	290	42	88	116,788	8,611	95	26	69	589
Washington.....	3,847	148	226	1,351,436	40,386	842	245	597	5,266
West Virginia.....	8,053	162	260	1,478,360	40,816	879	251	628	8,991
Wisconsin.....	1,284	66	139	727,077	22,727	405	105	300	1,809
Wyoming.....	3,495	120	155	1,268,969	30,285	890	258	632	7,686
Hawaii.....	418	16	63	290,528	3,761	143	43	66	593
Puerto Rico.....	162	9	72	123,658	2,665	51	30	21	912

¹ Partly estimated.² Comprises main, P. B. X. (those directly connected with private branch exchanges), and extension telephones.³ Includes county, municipal, and other taxing-district taxes. Excludes excise taxes collected by telephone carriers from users of telephone services.⁴ Includes data for Canada and the Key West-Havana cables, not shown separately.⁵ Includes \$700,000 not distributed by States.

No. 638.—DOMESTIC AND INTERNATIONAL TELEGRAPH CARRIERS—SUMMARY:
1930 TO 1955

[Figures comprise principal carriers filing annual reports with Federal Communications Commission]

ITEM	1930	1935	1940	1945	1950	1954	1955
DOMESTIC TELEGRAPH							
Number of carriers.....	2	2	2	1	1	1	1
Investment in plant and equipment.....	\$1,000 379,889	\$383,226	\$375,021	\$357,784	\$294,451	\$300,126	\$310,968
Depreciation and amortization reserves.....	do..... 53,095	42,574	97,746	157,243	128,227	130,183	135,826
Capital stock ¹	do..... 104,144	106,282	100,874	104,336	104,836	12,709	135,554
Funded debt ^{1,2}	do..... 157,602	175,888	88,881	90,981	55,922	44,105	45,302
Total surplus ¹	do..... 111,332	115,986	114,256	50,233	52,084	164,719	189,564
Revenue messages transmitted ^{3,4}	1,000 211,971	176,250	191,645	236,169	178,904	152,582	153,910
Message revenues.....	\$1,000 131,453	92,332	97,906	163,415	152,248	173,320	188,855
Total operating revenues.....	do..... 148,223	106,262	114,587	182,048	177,994	209,635	228,816
Operating revenue deductions ⁵	do..... 139,141	96,076	110,856	174,848	167,280	194,657	206,024
Operating ratio.....	percent 93.87	90.41	96.74	96.04	93.98	92.86	90.04
Operating income ⁶	\$1,000 8,596	10,186	6,222	7,200	8,664	8,770	13,179
Net income transferred to earned surplus (incl. cable operations of Western Union).....	\$1,000 7,064	3,499	597	15,149	8,936	6,471	11,080
Dividends declared ¹	do..... 8,188	2,090	1,045	2,433	2,450	3,730	5,695
Miles of wire in cable.....	1,000 357	425	449	481	333	384	388
Miles of aerial wire.....	do..... 1,912	1,820	1,820	1,766	920	745	712
Number of employees ⁸	84,902	62,257	59,670	63,446	40,482	37,009	37,785
Total compensation.....	\$1,000 108,557	65,030	74,736	126,662	116,937	137,521	143,289
Average compensation per employee per annum dollars.....	1,278	1,045	1,252	1,996	2,880	3,716	3,792
INTERNATIONAL TELEGRAPH							
Ocean-cable:							
Number of carriers.....	5	5	5	5	4	3	3
Investment in plant and equipment.....	\$1,000 119,966	116,329	111,129	109,317	97,283	93,402	93,226
Depreciation and amortization reserves.....	do..... 53,930	61,579	64,492	69,722	63,911	58,213	57,972
Capital stock ¹	do..... 73,723	60,723	45,841	24,941	22,255	18,255	18,255
Funded debt ^{1,2}	do..... 26,050	21,768	26,876	9,515	7,026	1,000	1,600
Total surplus ¹	do..... 26,876	9,515	7,026	10,587	1,212	1,680	927
Revenue messages transmitted ³	1,000 15,258	9,050	7,667	10,531	9,969	10,619	10,671
Message revenues.....	\$1,000 27,245	15,633	16,733	25,334	23,392	23,431	23,105
Total operating revenues.....	do..... 27,811	16,093	17,840	26,727	24,649	32,607	33,459
Operating revenue deductions ⁵	do..... 19,813	14,948	16,039	21,704	22,263	26,537	29,158
Operating ratio.....	percent 71.24	92.89	89.90	81.21	90.32	81.38	87.15
Operating income ⁶	\$1,000 7,712	1,002	1,434	4,013	1,937	3,468	1,451
Net income transferred to earned surplus (excl. cable operations of Western Union).....	\$1,000 6,281	676	1,348	2,839	582	1,080	131
Dividends declared ¹	15,416	2,710	987	20	884	884	884
Miles of wire in cable.....	1,000 104	109	111	107	98	86	86
Miles of aerial wire.....	do..... 10	7	8	9	7	7	7
Number of employees ⁸	6,880	5,304	4,534	4,962	5,495	5,874	5,919
Total compensation.....	\$1,000 9,795	6,926	6,602	10,982	12,031	15,227	15,925
Average compensation per employee per annum dollars.....	1,424	1,284	1,456	2,213	2,189	2,592	2,690
Radiotelegraph:							
Number of carriers.....	7	8	8	6	7	7	7
Investment in plant and equipment.....	\$1,000 27,270	31,379	30,886	28,306	38,885	40,265	41,052
Depreciation and amortization reserves.....	do..... 11,064	15,034	16,748	16,475	18,929	17,774	18,460
Capital stock ¹	do..... 15,922	7,554	7,724	10,456	13,614	13,182	13,182
Funded debt ^{1,2}	do..... 4,875	15,812	1,227	1,026	8,807	4,616	3,806
Total surplus.....	do..... 1,242	3,200	18,600	14,098	13,777	22,741	25,625
Revenue messages transmitted ³	1,000 5,151	6,619	8,952	10,516	12,609	13,738	14,971
Message revenues.....	\$1,000 6,358	8,314	12,537	18,903	22,239	25,129	27,388
Total operating revenues.....	do..... 7,549	9,267	14,247	23,152	25,684	31,204	34,501
Operating revenue deductions ⁵	do..... 7,197	8,745	10,996	16,201	22,963	28,117	29,208
Operating ratio.....	percent 95.34	94.37	77.18	69.98	89.41	90.11	84.44
Operating income ⁶	\$1,000 272	479	2,259	771	1,867	899	1,952
Net income transferred to earned surplus.....	372	7,269	2,025	2,383	2,373	2,262	3,534
Dividends declared.....	do..... 1,400	838	850	8	400	650	650
Number of employees ⁸	2,119	2,740	3,549	4,617	5,264	5,940	5,925
Total compensation.....	\$1,000 3,809	4,107	6,207	14,171	18,209	24,015	24,624
Average compensation per employee per annum dollars.....	1,798	1,499	1,749	3,069	3,459	4,043	4,156

¹ Data for Western Union included in domestic telegraph; not segregable between domestic telegraph and ocean-cable operations. ² Includes long-term advances from affiliates.³ Principally as estimated by reporting carriers on basis of actual counts for test periods.⁴ Beginning 1945, includes press messages on an unequated basis; prior to 1945, they were included on an equated basis. ⁵ Includes depreciation and operating taxes.⁶ After recorded provision for Federal income taxes including those on non-communications activities.⁷ Deficit or other reverse item.⁸ For 1930, end of June; for 1935-1945, end of December; thereafter, end of October.

COMMUNICATIONS

No. 639.—RADIOTELEPHONE SERVICE, BY CLASS: 1953 TO 1955

[In thousands. As of December 31. For 1955, covers radiotelephone service offered by 31 of the 53 class A telephone carriers; in addition, radiotelephone service with revenue amounting to \$1,493,647 is offered by 4 radio-telegraph carriers and 1 cable carrier, details for which were not reported]

CLASS OF SERVICE	1953		1954		1955	
	Number of chargeable calls	Gross revenues	Number of chargeable calls	Gross revenues	Number of chargeable calls	Gross revenues
FIXED STATIONS						
Message service, total	1,252	\$11,616	1,332	\$12,188	1,504	\$13,847
Overseas, total	984	10,918	1,051	11,440	1,194	13,001
Bermuda and trans-Atlantic	333	3,968	357	4,310	427	5,064
Central and South American and Caribbean	298	3,263	341	3,567	413	4,155
Trans-Pacific	353	3,687	353	3,563	354	3,782
Interstate, intrastate, intraterritory and intrapossession	268	698	281	748	310	846
Private line service, overseas		164		130		148
MOBILE STATIONS						
Marine service to mobile stations	646	941	656	1,023	653	1,065
General service	501	859	518	934	554	986
Dispatching service	144	82	138	89	99	79
Domestic public land mobile radio services ¹	3,192	4,444	3,519	5,187	3,942	5,992
General service	2,357	3,441	2,699	4,176	3,190	5,003
Direct dispatching service	787	929	770	937	701	909
Signalling or paging service	49	66	50	66	51	68
Other		8		8		12
Private mobile radiotelephone systems		2,735		3,737		5,360

¹ In addition, there were in operation as of Dec. 31, 1953, 1954, and 1955, 250, 300, and 332, respectively, other mobile radio systems, of which most were operated by small miscellaneous common carriers. Gross revenues reported were \$1,104,773, \$1,522,481, and \$1,006,926 for 1953, 1954, and 1955, respectively.

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States*.

No. 640.—WESTERN UNION TELEGRAPH CO.—LINE AND WIRE MILEAGE, OFFICES AND FINANCES: 1867 TO 1956

YEAR ENDING—	Miles of pole line and cable ¹	Miles of wire ¹	Channel miles in telegraph circuits ²	Number of offices ³	Receipts	Expenses	Net income ⁴
June 30—					<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1867	46, 270	85, 291	—	2, 565	6, 568, 925	3, 944, 006	2, 624, 920
1870	54, 109	112, 191	—	3, 972	7, 138, 738	4, 910, 772	2, 227, 966
1880	85, 645	233, 534	—	9, 077	12, 782, 895	6, 948, 957	5, 833, 938
1890	183, 917	678, 997	—	19, 382	22, 387, 029	15, 074, 304	7, 312, 725
1900	192, 705	933, 153	—	22, 900	24, 758, 570	18, 593, 206	6, 165, 364
1910	214, 360	1, 429, 049	—	24, 825	33, 889, 202	26, 614, 302	7, 274, 000
Dec. 31—					<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1915	238, 940	1, 610, 709	—	25, 142	52, 475, 721	40, 972, 541	11, 503, 180
1920	246, 214	1, 449, 710	—	24, 881	121, 473, 685	108, 134, 041	13, 339, 644
1925	246, 307	1, 635, 236	—	24, 428	129, 151, 617	112, 861, 832	16, 289, 785
1930	256, 763	1, 948, 988	3, 500	24, 298	133, 235, 751	123, 987, 519	9, 248, 232
1935	254, 691	1, 905, 858	3, 500	20, 964	91, 389, 812	86, 131, 234	5, 258, 078
1940	249, 343	1, 914, 615	27, 000	19, 140	101, 277, 546	97, 655, 965	3, 621, 581
1945	276, 084	2, 291, 164	150, 000	18, 687	194, 271, 046	189, 836, 541	4, 434, 505
1950	132, 274	1, 337, 768	1, 787, 686	16, 202	187, 820, 035	180, 500, 859	7, 319, 776
1951	122, 566	1, 264, 293	1, 971, 433	15, 355	203, 220, 261	197, 824, 468	5, 404, 793
1952	120, 797	1, 233, 473	2, 090, 455	14, 704	196, 260, 721	195, 157, 510	1, 103, 211
1953	119, 632	1, 190, 558	3, 211, 235	13, 603	221, 550, 435	213, 215, 699	8, 334, 736
1954	116, 291	1, 166, 657	3, 419, 546	12, 802	223, 287, 771	213, 902, 785	9, 384, 986
1955	112, 326	1, 136, 941	3, 622, 161	12, 388	243, 361, 924	230, 321, 234	13, 040, 690
1956	111, 056	1, 124, 867	4, 022, 854	11, 955	254, 161, 100	240, 389, 944	13, 771, 156

¹ Pole and wire mileages reflect acquisition on Oct. 7, 1943, of facilities of Postal Telegraph Companies.

² In use chiefly on the company's trunk lines through 1952; beginning 1953, represents all telegraph circuits.

³ Excludes agency and commission offices, numbering 10,932 on Dec. 31, 1950.

⁴ Figures for 1915 and prior years represent net income before bond interest.

Source: Western Union Telegraph Co., New York, N. Y.

BROADCAST STATIONS

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No. 641.—COMMERCIAL BROADCAST STATIONS AUTHORIZED AND ON THE AIR:
1945 TO 1957

[As of January 1. Includes Alaska, Hawaii, Puerto Rico, Virgin Islands, and beginning 1956, Guam. Figures differ from those shown in table 643 because of different tabulations.]

YEAR	TOTAL		AM RADIO		FM RADIO		TELEVISION	
	Authorized	On the air						
1945	960	936	908	884	52	46	9	6
1946	1,236	967	969	913	258	48	9	6
1947	2,221	1,174	1,485	1,027	684	140	52	7
1948	3,010	1,977	1,927	1,586	1,010	374	73	17
1949	3,182	2,627	2,092	1,877	966	700	124	50
1950	3,008	2,881	2,199	2,051	788	733	111	97
1951	3,120	2,981	2,317	2,198	703	676	109	107
1952	3,132	3,042	2,374	2,297	650	637	108	108
1953	3,393	3,102	2,490	2,357	630	616	273	120
1954	3,749	3,403	2,602	2,487	580	560	567	356
1955	3,875	3,627	2,740	2,635	559	553	576	439
1956	4,048	3,812	2,901	2,790	557	540	590	482
1957	4,276	4,015	3,091	2,974	554	530	631	511

Source: Federal Communications Commission.

No. 642.—BROADCAST AND OTHER RADIO STATIONS AUTHORIZED AND OPERATORS
LICENSED, BY CLASS: 1954 TO 1956

[As of June 30. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands]

CLASS OF STATION OR OPERATOR	1954	1955	1956	CLASS OF STATION OR OPERATOR	1954	1955	1956
Safety and special radio services ¹	262,017	300,227	338,904	Public safety services— Continued			
Amateur services	124,041	142,070	154,010	Public safety (com- bined)			
Amateur	123,287	139,993	150,549	Citizens	7,054	12,334	18,602
Radio amateur civil emergency service	754	2,077	3,461	Disaster	283	317	327
Aviation services	40,154	43,855	48,745	Broadcast services ²	5,838	6,257	7,042
Aircraft	28,392	30,228	33,689	Standard (AM)	2,697	2,840	3,020
Aeronautical and fixed	1,391	1,385	2,445	Frequency modulation (FM)	569	552	546
Civil air patrol	9,396	11,108	12,107	Television (TV)	573	582	609
Other	975	1,134	504	Noncommercial educa- tional (TV)	30	34	41
Industrial services	21,598	24,854	30,507	Television (experimental) and auxiliary	415	531	699
Power	7,502	8,132	9,874	Noncommercial educa- tional (FM)	123	127	136
Petroleum	5,505	6,178	6,754	International	(3)	(3)	3
Forest products	1,034	1,144	1,316	Remote pickup	1,884	1,546	1,936
Special industrial	6,587	8,100	11,071	Studio transmitter (ST)	45	43	50
Low power industrial	673	933	1,269	Developmental	2	2	2
Relay press	68	82	95	Common carrier services ¹	1,635	1,948	2,308
Motion picture	32	43	50	Experimental	962	1,175	1,459
Other	137	152	168	Domestic land mobile	610	724	800
Land transportation services	6,891	7,668	8,990	Fixed public telephone	24	19	18
Railroad	1,219	1,405	1,731	Fixed public telegraph	39	30	31
Taxicab	4,361	4,528	4,830	Radio operators	962,623	1,123,125	1,259,158
Motor carrier	1,006	1,326	1,858	Commercial operators	764,089	924,937	1,068,147
Automobile emergency	305	411	571	Aircraft radiotelephone operators ⁴	77,999	61,426	45,011
Marine services	46,299	50,714	56,915	Amateur operators	120,535	136,762	146,000
Ship	45,050	49,594	55,585	Experimental serv- ices, miscellaneous	586	625	706
Coastal	210	243	301				
Alaskan	963	786	919				
Other	76	91	110				
Public safety services	15,697	18,415	20,718				
Police	8,728	9,725	10,819				
Fire	1,627	2,327	3,062				
Forestry conservation	2,686	2,967	2,704				
Highway maintenance	1,088	1,330	1,699				
Special emergency	1,420	1,839	2,344				
State guard	139	188	20				

¹ Each license, construction permit, or combination construction permit and license is counted as one station; therefore, a station might include a transmitter and many mobile units.² Stations licensed or holding construction permits.³ Not tabulated in 1954 or 1955. International broadcast stations are now counted by individual licensees, not by the number of transmitters. Present figures include 1 experimental operation.⁴ Issuance of radiotelephone licenses discontinued Feb. 1, 1954.Source: Federal Communications Commission; *Annual Report*.

COMMUNICATIONS

No. 643.—COMMERCIAL BROADCAST STATIONS ON THE AIR, BY STATES AND OTHER AREAS: 1955 TO 1957

[As of January 1. Stations licensed or holding construction permits]

STATE OR OTHER AREA	1955				1956				1957			
	Total	AM	FM	TV	Total	AM	FM	TV	Total	AM	FM	TV
	3,613	2,680	523	410	3,775	2,804	529	442	3,972	2,975	526	471
Total	3,613	2,680	523	410	3,775	2,804	529	442	3,972	2,975	526	471
Alabama	115	93	16	6	117	94	15	8	118	97	13	8
Arizona	39	30	2	7	40	31	2	7	46	35	3	8
Arkansas	60	51	6	3	62	52	5	5	67	55	6	6
California	212	149	37	26	215	150	37	28	228	161	37	30
Colorado	48	37	3	8	54	42	4	8	60	48	3	9
Connecticut	36	26	5	5	37	25	7	5	39	27	7	5
Delaware	9	7	1	1	11	8	1	1	11	8	2	1
Dist. of Columbia	20	7	9	4	19	7	8	4	19	7	8	4
Florida	128	95	19	14	142	106	21	15	152	117	19	15
Georgia	118	89	16	13	128	99	17	12	130	103	14	13
Idaho	31	25	3	3	33	28	-	-	34	29	-	5
Illinois	134	89	28	17	135	90	30	15	133	89	28	16
Indiana	79	51	17	11	86	56	17	13	89	58	17	14
Iowa	77	46	10	11	74	54	8	12	76	57	8	11
Kansas	50	43	1	6	50	41	2	7	51	44	1	6
Kentucky	71	57	11	3	80	64	13	3	87	70	14	3
Louisiana	78	58	12	8	86	63	12	11	92	71	10	11
Maine	23	16	1	6	23	17	1	5	28	20	2	6
Maryland	39	28	7	4	42	31	7	4	40	32	4	4
Massachusetts	75	52	16	7	75	53	16	6	78	55	18	5
Michigan	103	75	16	12	110	76	21	13	113	86	14	13
Minnesota	64	52	6	6	64	51	5	8	69	55	5	8
Mississippi	61	54	3	4	67	61	3	3	72	65	2	5
Missouri	86	66	7	13	96	70	10	16	97	72	9	16
Montana	30	26	-	4	34	30	-	4	35	31	-	4
Nebraska	31	27	-	4	36	29	-	7	36	29	-	7
Nevada	14	10	2	2	17	13	1	3	21	16	1	4
New Hampshire	17	12	4	1	18	13	4	1	17	12	4	1
New Jersey	29	21	6	2	30	23	7	7	30	23	7	-
New Mexico	34	30	-	4	37	32	1	4	44	35	3	6
New York	166	104	41	21	169	106	42	21	182	113	45	25
North Carolina	162	117	34	11	165	121	32	12	173	126	34	13
North Dakota	19	15	-	4	21	15	-	6	23	16	-	7
Ohio	132	80	33	19	131	79	34	18	137	83	36	18
Oklahoma	63	51	2	10	60	51	1	8	65	52	4	9
Oregon	64	53	7	4	70	57	8	5	77	62	7	8
Pennsylvania	196	125	44	27	197	133	41	23	199	135	42	22
Rhode Island	17	12	3	2	18	11	5	2	19	12	5	-
South Carolina	81	55	17	9	82	58	15	9	84	62	14	8
South Dakota	15	14	-	1	20	17	-	3	20	17	-	3
Tennessee	100	79	12	9	106	85	10	11	115	93	9	13
Texas	247	202	16	29	262	212	16	34	278	221	20	37
Utah	24	19	2	3	26	21	2	3	28	23	2	3
Vermont	14	13	-	1	14	13	-	1	13	12	-	1
Virginia	93	68	18	7	97	71	17	9	108	80	17	11
Washington	75	60	5	10	77	61	6	10	85	68	7	10
West Virginia	61	43	11	7	63	44	10	9	62	45	10	7
Wisconsin	95	60	13	13	92	68	13	11	96	70	13	13
Wyoming	17	16	-	1	18	17	-	1	21	20	-	1
Alaska	14	12	-	2	17	13	-	4	18	13	-	5
Guam	-	-	-	1	1	1	-	2	1	1	-	1
Hawaii	17	15	1	3	20	13	1	6	21	14	1	6
Puerto Rico	28	25	-	2	29	26	-	3	31	27	1	3
Virgin Islands	2	2	-	2	2	2	-	2	2	2	-	2

Source: Federal Communications Commission.

BROADCAST INDUSTRY FINANCES

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No. 644.—COMPARATIVE FINANCIAL DATA FOR RADIO BROADCAST INDUSTRY: 1949 TO 1955

[Money figures in millions of dollars. Excludes FM (independents). Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands]

ITEM	1949	1950	1951	1952	1953	1954	1955
Number of networks	7	7	7	7	7	7	7
Number of stations	2,021	2,143	2,200	2,324	2,434	2,555	2,704
Broadcast revenues	413.8	443.1	449.2	468.6	474.6	448.3	452.3
7 networks (incl. owned and operated stations)	108.1	110.5	104.0	100.6	97.3	88.6	78.3
Other stations	305.7	332.6	345.2	368.0	377.3	360.2	374.0
Broadcast expenses of networks and stations	357.5	372.3	390.0	407.5	418.8	406.3	406.0
7 networks (incl. owned and operated stations)	90.6	91.5	93.9	89.4	86.9	80.4	72.4
Other stations	266.9	280.8	296.0	318.1	331.9	325.9	333.6
Broadcast income before Federal income tax	55.3	70.7	59.3	61.1	55.8	42.5	46.4
7 networks (incl. owned and operated stations)	17.5	19.0	10.1	11.2	10.4	8.1	5.9
Other stations	38.8	51.8	49.2	49.9	45.4	34.3	40.4
BROADCAST REVENUES							
Revenues from time sales, net	375.1	401.1	404.6	420.5	426.0	404.1	410.9
Commissions to regularly established agencies, representatives, brokers and others	50.3	52.5	51.6	52.6	51.8	47.2	45.6
Revenues from time sales, total	425.4	453.6	456.1	473.2	477.2	451.3	456.5
Revenues from network time sales, net	134.9	131.5	122.0	109.9	98.1	83.7	64.1
Payments to foreign stations and elimination of miscellaneous duplications	1.9	1.4	.4	1.5	—	—	—
Network time sales to:							
Nationwide networks	130.8	126.0	114.0	102.1	92.9	78.9	60.3
Regional networks	3.9	4.0	4.7	4.4	4.2	3.9	3.2
Miscellaneous networks and stations	2.1	2.9	3.8	2.9	1.0	.9	.6
Revenues from non-network time sales to:							
National and regional advertisers and sponsors	108.3	118.8	119.6	123.7	129.6	120.2	120.4
Local advertisers and sponsors	182.1	203.2	214.5	239.6	249.5	247.5	272.0
Revenues from incidental broadcast activities	38.7	42.0	44.7	48.1	48.6	44.7	41.4
Talent	22.0	25.2	26.9	33.4	33.8	30.5	26.9
Sundry broadcast revenues	16.7	16.8	17.8	14.7	15.0	14.1	14.5

¹ Reverse item.Source: Federal Communications Commission; annual release, *Final AM and FM Financial Data*.

No. 645.—COMPARATIVE FINANCIAL DATA FOR TELEVISION BROADCAST INDUSTRY: 1949 TO 1955

[Money figures in millions of dollars. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands]

ITEM	1949	1950	1951	1952	1953	1954	1955
Number of networks	4	4	4	4	4	4	1 4
Number of stations	98	107	108	122	260	393	437
Broadcast revenues	34.3	105.9	235.7	324.2	431.8	592.9	744.7
4 networks (incl. owned and operated stations)	19.3	55.5	128.4	180.2	231.7	306.7	374.1
Other stations	15.0	50.4	107.3	144.0	200.1	286.2	370.6
Broadcast expenses of networks and stations	50.6	115.1	194.1	268.7	360.5	502.6	594.5
4 networks (incl. owned and operated stations)	31.4	65.5	117.4	170.3	213.7	270.2	306.0
Other stations	28.2	49.6	76.7	98.4	146.8	232.4	288.5
Broadcast income before Federal income tax	2 25.3	2 9.2	41.6	55.5	71.3	90.3	150.2
4 networks (incl. owned and operated stations)	2 12.1	2 10.0	11.0	9.9	18.0	30.5	68.1
Other stations	2 13.2	.8	30.6	45.6	53.3	53.8	82.1
BROADCAST REVENUES							
Revenues from time sales, net	23.4	76.3	175.3	236.6	322.2	452.2	572.4
Commissions to regularly established agencies, representatives, brokers and others	4.1	14.3	53.3	46.5	62.5	85.9	108.7
Revenues from time sales, total	27.5	90.6	208.6	283.1	384.7	538.1	681.1
Revenues from network time sales, net	10.8	35.2	97.6	137.7	171.9	241.2	308.9
Revenues from non-network time sales to:							
National and regional advertisers and sponsors	7.3	25.0	59.7	80.2	124.3	176.8	222.4
Local advertisers and sponsors	9.4	30.4	51.3	65.2	88.5	120.1	149.8
Revenues from incidental broadcast activities	10.9	29.6	60.4	87.7	109.6	140.7	172.3
Talent	6.0	15.2	33.0	56.2	70.6	85.0	112.5
Sundry broadcast revenues	4.9	14.4	27.4	31.5	39.0	55.7	59.8

¹ Three networks after Sept. 15, 1955, when Du Mont ceased network operations.² Loss.Source: Federal Communications Commission; annual release, *Final TV Broadcast Financial Data*.

No. 646.—TOTAL BROADCAST REVENUES OF ALL NETWORKS AND STATIONS, AM AND AM-FM, FM, AND TV: 1937 to 1955

[Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands. Total broadcast revenues are defined as total time sales of all networks and stations, less commissions to agencies and plus incidental revenues, such as sale of talent, program material, etc. For each year, excludes data for a certain number of reports received too late to be included; 1955 data excludes 90 such stations]

YEAR	TOTAL		AM AND AM-FM ¹		FM (INDEPENDENTS)		TV ²	
	Number of stations	Revenues (\$1,000)	Number of stations	Revenues (\$1,000)	Number of stations	Revenues (\$1,000)	Number of stations	Revenues (\$1,000)
1937	629	114,223	629	114,223	-----	-----	-----	-----
1938	660	111,358	660	111,358	-----	-----	-----	-----
1939	705	125,882	705	125,882	-----	-----	-----	-----
1940	765	147,147	765	147,147	-----	-----	-----	-----
1941	825	168,785	817	168,779	2	-----	6	6
1942	862	178,894	851	178,839	5	13	6	42
1943	852	215,428	841	215,318	5	26	6	84
1944	886	275,550	875	275,209	4	32	6	210
1945	912	299,715	901	299,338	5	39	6	338
1946	1,043	323,228	1,025	322,553	8	17	10	658
1947	1,531	366,032	1,464	363,714	52	422	15	1,896
1948	1,974	416,867	1,824	406,995	103	1,251	47	8,621
1949	2,223	449,544	2,021	413,785	104	1,429	98	34,330
1950	2,336	550,395	2,143	443,058	86	1,422	107	105,915
1951	2,374	686,170	2,200	449,226	66	1,266	108	235,684
1952	2,502	793,915	2,324	468,592	58	1,100	122	324,223
1953	2,813	908,025	2,434	474,585	45	800	334	432,640
1954	3,008	1,042,486	2,555	448,785	43	764	410	502,937
1955	3,179	1,108,066	2,704	452,338	38	1,013	437	744,714

¹ Includes revenues of 4 nationwide networks and 3 regional networks.

² Includes revenues of 4 TV networks beginning in 1948 when commercial TV network operation started; covers 3 networks after September 15, 1955 when Du Mont ceased network operations.

Source: Federal Communications Commission.

No. 647.—PERCENT OF HOUSEHOLDS WITH TELEVISION SETS, BY AREA AND REGION: 1955 AND 1956

[For composition of regions, see figure I, p. XVI; for explanation of urban and rural, see p. 2; and for definition of standard metropolitan areas, see headnote, table 10. An urbanized area contains at least one city with 50,000 inhabitants or more in 1940 or subsequently, plus the surrounding closely settled incorporated places and unincorporated areas that comprise its urban fringe]

AREA OR REGION	June, 1955	1956		AREA OR REGION	June, 1955	1956	
		Feb.	Aug.			Feb.	Aug.
Households having 1 set or more	67	73	76	By region—Continued			
By area:				West	62	66	75
Inside standard metropolitan areas	78	82	84	Inside standard metropolitan areas	74	78	83
Outside standard metropolitan areas	50	59	63	Outside standard metropolitan areas	41	46	58
Urban places	56	65	60	By urban and rural:			
Rural territory	46	55	60	Urban	74	78	80
By region:				In urbanized areas	79	82	84
Northeast	80	82	85	Areas of 3,000,000 or more	81	84	
Inside standard metropolitan areas	82	84	86	Areas of 1,000,000 to 3,000,000	82	85	85
Outside standard metropolitan areas	69	75	80	Areas of 250,000 to 1,000,000	79	82	83
North Central	72	79	79	Areas under 250,000	74	76	81
Inside standard metropolitan areas	81	86	85	Not in urbanized areas	56	67	71
Outside standard metropolitan areas	59	69	71	Places of 10,000 or more	62	69	74
South	53	62	65	Places under 10,000	52	63	66
Inside standard metropolitan areas	71	76	80	Rural nonfarm	61	68	73
Outside standard metropolitan areas	40	50	54	Rural farm	42	53	57
By number of sets:				No set	33	27	24
				One set	65	69	72
				Two sets or more	2	4	4

Source: Department of Commerce, Bureau of the Census; *Housing and Construction Reports*, Series H-121, No. 3.

No. 649.—NEWSPAPERS AND PERIODICALS—NUMBER AND CIRCULATION, BY FREQUENCY OF ISSUE, AND RECEIPTS: 1929 TO 1954

[Circulation in thousands and money figures in millions]

FREQUENCY OF ISSUE AND RECEIPTS	NEWSPAPERS				PERIODICALS			
	1929	1939	1947	1954	1929	1939	1947	1954
Total number	10,176	9,173	10,282	9,022	5,157	4,985	4,610	3,427
Aggregate circulation ¹	91,778	96,476	119,567	136,353	202,022	239,693	384,628	449,285
Daily (except Sunday):								
Morning: Number	459	473	400	385				
Circulation	15,742	17,152	21,796	22,475				
Evening: Number	1,627	1,567	1,454	1,435	2,207	2,220	2,112	2,84
Circulation	26,274	25,814	31,490	33,935	2,932	2,1,979	2,842	2,748
Sunday: Number	578	642	416	510				
Circulation	29,012	33,007	42,736	46,350				
Triweekly: Number	56	36	21	29	8	12	5	(3)
Circulation	287	219	151	198	25	27	5	(3)
Semiweekly: Number	381	343	230	288	27	50	21	332
Circulation	1,580	1,990	926	1,327	1,402	2,995	182	3,263
Weekly: Number	7,075	6,212	7,705	6,249	1,158	1,109	892	487
Circulation	18,884	18,295	21,408	30,336	34,495	55,825	69,393	82,066
Semimonthly: Number					224	193	233	148
Circulation					9,168	8,135	13,832	19,842
Monthly: Number					2,799	2,323	2,253	1,604
Circulation					133,048	134,766	194,824	204,026
Quarterly: Number					562	698	647	422
Circulation					20,605	26,238	45,535	43,339
Other: Number			56	126	172	380	447	550
Circulation			1,000	1,732	2,346	9,726	60,015	99,001
Receipts, total	\$1,073	\$846	\$1,792	\$2,926	\$507	\$409	\$1,046	\$1,413
Subscription and sales	278	306	600	841	185	185	420	531
Advertising	797	539	1,192	2,059	323	224	626	863

¹ Totals of average circulation per issue for individual publications from publishers reporting receipts on a combined frequency of issue basis as well as from publishers reporting receipts separately for each frequency of issue.

² Daily only, neither morning nor evening.

³ Semiweekly and triweekly figures combined to avoid disclosure of individual company figures.

⁴ Includes \$26 million receipts not distributed by publishers between subscription and sales and advertising.

⁵ Includes \$19 million receipts not distributed by publishers between subscription and sales and advertising.

Source: Department of Commerce, Bureau of the Census; U. S. Census of Manufacturers: 1954, Series MC-27A.

No. 650.—NEWSPRINT CONSUMPTION, NEWSPAPER PAGES PER ISSUE, AND CIRCULATION PER FAMILY: 1941 TO 1956

YEAR	NEWSPRINT CONSUMPTION (1,000 TONS)					PAGES OF NEWSPAPER PER ISSUE ²		NEWSPAPER CIRCULATION PER FAMILY					
	Total ¹	By newspapers				Daily	Sunday	Daily	Sunday				
		For advertising content		For editorial content									
		Amount	Per-cent	Amount	Per-cent								
1941	3,922	3,694	1,481	40.1	2,213	59.9	27	88	1.17	0.93			
1942	3,721	3,587	1,442	40.2	2,145	59.8	26	82	1.19	0.97			
1943	3,559	3,409	1,568	46.0	1,841	54.0	26	78	1.20	1.01			
1944	3,218	3,048	1,530	50.2	1,518	49.8	23	68	1.24	1.02			
1945	3,451	3,237	1,667	51.5	1,570	48.5	22	70	1.28	1.06			
1946	4,192	3,995	2,177	54.5	1,818	45.5	27	84	1.32	1.13			
1947	4,658	4,420	2,550	57.7	1,870	42.3	29	94	1.30	1.13			
1948	5,136	4,781	2,811	58.8	1,970	41.2	32	102	1.27	1.12			
1949	5,532	5,142	2,977	57.9	2,165	42.1	34	107	1.24	1.09			
1950	5,863	5,521	3,219	58.3	2,302	41.7	36	112	1.23	1.06			
1951	5,872	5,557	3,295	59.3	2,262	40.7	36	113	1.20	1.03			
1952	5,915	5,569	3,286	59.0	2,283	41.0	36	117	1.18	1.01			
1953	6,109	5,713	3,304	59.4	2,319	40.6	37	121	1.16	0.98			
1954	6,103	5,732	3,376	58.9	2,356	41.1	36	122	1.17	0.98			
1955	6,484	6,173	3,704	60.0	2,469	40.0	40	132	1.16	0.97			
1956	6,802	6,323	3,887	61.5	2,433	38.5	340	135	1.17	0.98			

¹ Apparent consumption; equals production plus imports minus exports adjusted for year-end change in news-paper publishers' inventories and domestic mill stocks. ² Circulation of 100,000 or more.

³ Based on advertising lineage projection. ⁴ Based on Bureau of Census population projections.

Source: Department of Commerce, Business and Defense Services Administration.

No. 651.—DAILY AND SUNDAY NEWSPAPERS—NUMBER AND CIRCULATION, 1947 TO 1956, AND BY STATES, 1956

[Circulation figures in thousands. As of October 1. For English language newspapers only]

YEAR AND STATE	DAILY NEWSPAPERS						SUNDAY NEWS-PAPERS	
	Total		Morning		Evening		Num-ber	Net paid circulation
	Num-ber	Net paid circulation	Num-ber	Net paid circulation	Num-ber	Net paid circulation		
1947.....	1,769	51,673	328	20,762	1,441	30,911	511	45,151
1948.....	1,781	52,285	328	21,082	1,453	31,203	530	46,308
1949.....	1,780	52,846	329	21,005	1,451	31,841	546	46,399
1950.....	1,772	53,829	322	21,266	1,450	32,563	549	46,582
1951.....	1,773	54,018	319	21,223	1,454	32,795	543	46,279
1952.....	1,786	53,951	327	21,160	1,459	32,791	545	46,210
1953.....	1,785	54,472	327	21,412	1,458	33,060	544	45,949
1954.....	1,765	55,072	317	21,705	1,448	33,367	544	46,176
1955.....	1,760	56,147	316	22,183	1,454	33,964	541	46,448
1956.....								
Cont. U. S. ²	1,761	57,102	314	22,492	1,454	34,610	546	47,162
Alabama.....	19	635	4	200	15	436	13	540
Arizona.....	13	258	4	133	9	125	5	200
Arkansas.....	35	361	7	150	28	212	8	284
California.....	123	4,398	17	1,632	106	2,765	28	3,414
Colorado.....	25	595	3	195	22	400	9	625
Connecticut.....	25	737	6	198	19	539	6	467
Delaware.....	3	111	1	30	2	82		
District of Columbia.....	3	814	1	386	2	429	2	704
Florida.....	44	1,339	14	786	30	553	29	1,187
Georgia.....	30	875	6	374	24	501	10	789
Idaho.....	14	136	4	64	11	72	4	87
Illinois.....	187	3,960	10	1,552	78	2,408	18	3,188
Indiana.....	87	1,590	10	439	77	1,151	18	1,020
Iowa.....	44	928	4	303	40	625	8	800
Kansas.....	53	705	4	199	50	506	15	499
Kentucky.....	129	709	7	307	23	403	13	519
Louisiana.....	19	732	4	321	15	411	10	633
Maine.....	9	241	5	183	4	57	1	95
Maryland.....	12	752	4	223	8	520	3	682
Massachusetts.....	51	2,356	6	830	45	1,526	10	1,516
Michigan.....	55	2,346	2	508	53	1,838	12	2,030
Minnesota.....	30	1,016	4	358	26	658	5	909
Mississippi.....	21	267	5	70	16	196	10	173
Missouri.....	157	1,825	9	758	49	1,067	13	1,405
Montana.....	18	168	4	92	14	76	10	150
Nebraska.....	20	459	3	167	17	292	6	347
Nevada.....	8	73	2	26	6	48	3	57
New Hampshire.....	19	116	1	23	9	98	1	36
New Jersey.....	25	1,350	5	387	20	963	8	835
New Mexico.....	19	162	2	44	17	117	13	128
New York.....	95	8,754	24	4,929	71	3,825	19	9,535
North Carolina.....	47	1,021	9	506	38	515	16	671
North Dakota.....	11	151	3	37	8	114	2	82
Ohio.....	97	3,407	8	799	89	2,608	17	2,088
Oklahoma.....	52	711	8	268	44	413	40	650
Oregon.....	22	608	4	261	18	346	8	592
Pennsylvania.....	126	4,118	27	1,375	100	2,743	14	3,319
Rhode Island.....	7	296	1	56	6	240	2	193
South Carolina.....	18	454	8	317	10	137	7	340
South Dakota.....	12	158	1	3	11	155	4	109
Tennessee.....	29	1,008	7	481	22	527	12	823
Texas.....	111	2,757	22	1,141	89	1,616	76	2,534
Utah.....	5	234	1	98	4	136	4	228
Vermont.....	10	93	2	49	8	43	1	12
Virginia.....	33	820	10	381	23	439	13	571
Washington.....	27	918	6	321	21	507	10	829
West Virginia.....	30	507	9	241	21	265	9	399
Wisconsin.....	39	1,096	3	254	36	842	6	877
Wyoming.....	10	68	6	34	4	34	3	32
Alaska.....	6	46	1	46	6	46	1	4
Hawaii.....	5	170	4	124	4	124	3	78

¹ Adjusted to account for all-day papers listed in morning and evening figures (circulations divided between them).

² Adjusted to allow for duplication of Texarkana, Ark.-Tex., and Bristol, Tenn.-Va., in individual State tabulations (circulations divided between States), and Covington, Ky., papers also included in Ohio.

No. 652.—BOOKS—NEW BOOKS AND NEW EDITIONS PUBLISHED, BY SUBJECT: 1950 TO 1956

[Data based on reports from approximately 800 publishers. To assure as complete a coverage as possible, reports are checked against book reviews and notices and against card index of the Library of Congress. New books are new titles; new editions are revisions of trade or textbooks, and cheaper editions of original trade books. Data exclude pamphlets, theses, reports, and reprints (containing no change whatsoever from original publication)]

SUBJECT	1950			1954			1955			1956		
	Total	New books	New editions	Total	New books	New editions	Total	New books	New editions	Total	New books	New editions
Total	11,022	8,634	2,388	11,901	9,690	2,211	12,589	10,226	2,363	12,538	10,007	2,531
Agriculture, gardening	152	111	41	148	111	37	168	125	43	145	106	39
Biography	603	538	65	743	687	56	833	735	98	781	676	105
Business	250	190	60	260	196	64	312	228	84	287	222	65
Education	256	209	47	260	223	37	274	231	43	287	229	38
Fiction	1,907	1,211	696	2,098	1,512	886	2,073	1,459	614	2,229	1,500	729
Fine arts	357	317	40	314	285	29	347	305	42	329	283	46
Games, sports	188	153	35	231	201	30	200	175	25	189	160	29
General literature and criticism	591	510	81	558	493	65	660	529	131	712	570	142
Geography, travel	288	221	67	311	230	81	366	290	76	388	294	94
History	516	456	60	606	529	76	665	572	93	608	521	87
Home economics	193	150	43	239	192	47	255	205	50	189	159	30
Juvenile	1,059	907	152	1,342	1,193	149	1,485	1,372	113	1,495	1,384	111
Law	298	228	70	292	226	66	305	240	65	293	221	72
Medicine, hygiene	443	312	131	492	345	147	534	407	127	465	334	131
Music	113	88	25	79	69	10	103	85	18	100	88	12
Philology	148	102	46	181	126	55	168	118	50	191	128	63
Philosophy, ethics	340	278	62	315	260	55	314	244	70	388	297	91
Poetry, drama	531	453	78	468	389	79	493	423	70	421	337	84
Religion	727	626	101	875	774	101	849	747	102	909	810	99
Science	705	499	206	707	522	185	801	623	178	723	531	192
Sociology, economics	515	447	68	517	463	54	520	443	77	523	448	75
Technical and military	497	386	131	444	325	119	477	355	122	528	404	124
Miscellaneous	345	262	83	422	339	83	387	315	72	378	305	73

Source: R. R. Bowker Co., New York, N. Y. Monthly data published in *Publishers' Weekly*.

No. 653.—REGISTRATION OF COPYRIGHTS, BY SUBJECT MATTER: 1940 TO 1956

[For years ending June 30. For information on patents, see table 622. See also *Historical Statistics*, series P 170-175, for data on total registrations and on the registration of books, musical compositions, and commercial prints and labels]

SUBJECT MATTER OF COPYRIGHT	1940	1945	1950	1954	1955	1956
Total	176,997	178,848	210,564	222,665	224,732	224,908
Books						
Printed in the United States	64,051	40,544	54,894	55,057	58,160	57,432
Books proper	60,589	39,754	50,144	49,902	52,888	52,863
Pamphlets, leaflets, etc.	11,976	6,962	11,323			
Contributions to newspapers and periodicals	34,687	27,936	34,383	46,608	49,142	49,373
Printed abroad in a foreign language	13,929	4,856	4,438	3,294	3,746	3,490
English books registered for ad interim copyright	2,504	111	3,710	3,697	3,694	3,115
Periodicals (numbers)	40,173	45,763	55,436	60,667	59,448	58,575
Lectures, sermons, addresses	1,276	1,177	1,007	769	813	771
Dramatic or dramatico-musical compositions	6,450	4,714	4,427	3,527	3,493	3,329
Musical compositions	37,975	57,835	52,309	58,213	57,527	58,350
Maps	1,622	857	1,638	2,390	2,018	2,242
Works of art, models, or designs	3,081	1,821	4,013	3,170	3,456	4,168
Reproductions of works of art	445	186	326	572	900	785
Drawings or plastic works of a scientific or technical character	2,817	1,554	1,316	1,300	1,350	1,132
Photographs	2,590	1,258	1,143	1,049	1,105	1,408
Commercial prints and labels		7,403	13,320	10,784	10,505	9,491
Prints and pictorial illustrations	4,699	2,634	4,309	4,103	3,793	3,306
Motion picture photoplays	800	615	782	1,170	1,216	1,059
Motion pictures not photoplays	811	1,120	1,113	1,386	1,434	1,353
Renewals of all classes	10,207	11,307	14,531	18,508	19,519	20,926

Source: The Library of Congress; *Annual Report*.

Section 19

Power

This section presents statistics relating to the supply, production, and distribution of power and energy. The principal sources of these data are the Federal Power Commission, and the Bureau of Mines of the Department of the Interior.

The Federal Power Commission publishes various statistical reports, including *Production of Electric Energy and Capacity of Generating Plants*, which present data on the production of electric energy classified by type of prime mover and on the capacity of all generating plants classified by type of prime mover. These reports also include statistics on quantities of basic fuels used (coal, oil, natural gas, etc.) and on water as an actual and potential source of power. The Commission's data cover both generation for public use by electric utilities and for use by the producer where generated by nonutility establishments. Data on sales, revenues, and numbers of customers by classes of service, on rates and typical bills, and related matters are also issued at regular intervals by the Commission. Monthly statistics on production, fuels used in production, sales by classes of service, salaries and wages, taxes, and other costs of production appear in the Commission's series entitled *Electric Power Statistics*.

The Federal Power Commission has uniform systems of accounts for public utilities subject to its jurisdiction and for its licensees. The Commission compiles data from the following periodic reports: Annual reports of electric utilities containing information as to assets, liabilities, revenues, generating capacity, and number of consumers; power system reports of electric utility systems presenting generating capacity, transmission facilities, and loads and load characteristics; monthly and annual reports containing such information as production of electricity for public use, fuel consumed, and stocks of fuel on hand; and reports from electric utilities and industrial corporations with respect to their electric power requirements and supply.

The Bureau of Mines' annual *Minerals Yearbook* presents statistics on coal, oil, and natural gas production and utilization. Other important sources of data include the American Gas Association, which in its monthly bulletins and annual statistical issues (such as *Gas Facts*) presents data on natural gas utilization and the production of manufactured gas from coal, oil, and similar products; and the *Statistical Bulletin* of the Edison Electric Institute, issued monthly and annually, which presents data on the distribution of electric energy by public utilities.

Related materials are presented in other sections of this volume. Thus, statistics on production, value, and consumption of coal, oil, and natural gas are presented in section 28, Mining and Mineral Products; statistics compiled by the Bureau of the Census in its Censuses of Manufactures and Mineral Industries on the use of power by manufacturing, extracting, and related industries are also presented in section 28, and in section 30, Manufactures.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series G 159-170") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

Note.—This section presents data for the most recent year or period available on April 15, 1957, when the material was organized and sent to the printer. In some instances, more recent data were added later.

No. 654.—ENERGY FROM MINERAL FUELS AND WATER POWER—ANNUAL SUPPLY, 1900 TO 1955, AND CONSUMPTION, 1920 TO 1955, BY SOURCE

[In trillions of British thermal units. Unit heat values employed are: Anthracite, 12,700 B. t. u. per pound; bituminous coal and lignite, 13,100 B. t. u. per pound; petroleum, 5,800,000 B. t. u. per barrel; natural gas, total production multiplied by 1.075 B. t. u. minus repressuring vent and waste gas multiplied by 1.035. Water power includes installations owned by manufacturing plants and mines, as well as Government and privately owned public utilities. Fuel equivalent of water power calculated from kilowatt-hours of power produced wherever available, as is true of all public utility plants since 1919. Otherwise, fuel equivalent calculated from reported horsepower of installed water wheels, assuming capacity factor of 20 percent for factories and mines and of 40 percent for public utilities. See also *Historical Statistics*, series G 159-170]

YEAR	Total	Water power	COAL			Natural gas ²	PERCENT				
			Anthra-cite	Bitu-minous and lignite	Crude petro-leum ¹		Coal		Crude petro-leum ¹	Natural gas ²	
							Water power	Anthra-cite	Bitu-minous and lignite		
ANNUAL SUPPLY											
1900	7,893	250	1,457	5,563	369	254	3.2	18.4	70.5	4.7	3.2
1905	11,772	386	1,973	8,255	781	377	3.3	16.8	70.1	6.6	3.2
1910	15,375	539	2,146	10,928	1,215	547	3.5	14.0	71.1	7.9	3.5
1915	16,822	659	2,250	11,597	1,630	676	3.9	13.4	69.0	9.7	4.0
1920	21,365	738	2,276	14,899	2,569	883	3.5	10.7	69.7	12.0	4.1
1925	21,607	608	1,570	13,625	4,430	1,314	3.1	7.2	63.1	20.5	6.1
1930	22,119	752	1,762	12,249	5,208	2,148	3.4	8.0	55.4	23.5	9.7
1935	19,803	806	1,325	9,750	5,780	2,136	4.1	49.2	29.2	10.8	
1940	25,088	880	1,308	12,072	7,849	2,979	3.5	5.2	48.1	31.3	11.9
1945	32,333	1,442	1,345	15,134	9,939	4,423	4.5	4.3	46.8	30.7	13.7
1950	34,510	1,573	1,120	13,527	11,449	6,841	4.6	3.2	39.2	33.2	10.8
1951	37,768	1,559	1,084	13,982	13,037	8,106	4.1	2.9	37.0	34.5	21.5
1952	39,830	1,581	1,031	12,231	13,282	8,705	4.3	2.8	33.2	36.1	23.6
1953	37,076	1,522	786	11,081	13,671	9,116	4.1	2.1	32.3	36.9	24.6
1954	35,365	1,449	739	10,262	13,427	9,488	4.1	2.1	29.0	38.0	26.8
1955 (prel.)	38,431	1,447	665	12,174	13,410	9,785	3.8	1.7	31.7	37.5	25.3
CONSUMPTION											
1920	19,768	775	2,179	13,825	2,634	855	3.9	11.0	67.4	13.4	4.3
1925	20,873	701	1,627	13,079	4,156	1,315	3.4	7.8	62.6	19.9	6.3
1930	22,251	785	1,718	11,921	5,652	2,175	3.5	7.7	53.6	25.4	9.8
1935	19,052	831	1,298	9,236	5,499	2,088	4.4	6.8	49.0	28.8	11.0
1940	23,847	917	1,245	9,250	7,487	2,908	3.9	5.2	47.3	31.4	12.2
1945	31,439	1,486	1,311	14,661	9,619	4,302	4.7	4.2	46.6	30.6	13.9
1950	34,972	1,601	1,013	12,900	12,706	6,752	4.6	2.9	36.9	36.3	10.3
1951	36,714	1,592	940	12,285	13,974	7,923	4.3	2.5	33.5	38.1	21.6
1952	36,366	1,614	897	10,971	14,380	8,504	4.4	2.4	30.2	39.6	23.4
1953	37,448	1,550	711	11,182	15,092	8,913	4.1	1.9	29.9	40.3	23.8
1954	36,136	1,479	682	9,512	15,080	9,372	4.1	1.9	26.3	41.7	26.0
1955 (prel.)	39,062	1,494	599	11,090	16,340	10,139	3.8	1.5	28.0	41.2	25.5

¹ Includes commingled condensate. Consumption, beginning 1950, includes petroleum products (net imports).

² Marketed production; beginning 1920, includes amount stored and lost in transmission. Consumption includes dry and liquids.

Source: Department of the Interior, Bureau of Mines; *Mineral Industry Surveys*, *Monthly Petroleum Statement No. 402*.

No. 655.—PROJECTIONS OF ELECTRIC ENERGY REQUIREMENTS: 1955 TO 1980

[Estimates assume prosperous peacetime conditions; exclude generation by industrial facilities and railways having generating facilities of their own]

YEAR	ENERGY USE			PEAK LOAD		
	Billion kwh	Percent increase from 1955	Percent increase for each time interval	Million kw	Percent increase from 1955	Percent increase for each time interval
1955 ¹	563.5			102.7		
1960	779.9	40.9	40.9	143.9	40.1	40.1
1965	1,006.3	81.8	29.0	185.9	81.0	29.2
1970	1,253.2	126.4	24.5	231.2	125.1	24.4
1975	1,523.5	175.2	21.6	280.8	173.4	21.5
1980	1,821.3	229.1	19.5	335.3	220.5	19.4

¹ Actual figures compiled from reports of electric utilities.

Source: Federal Power Commission; *Estimated Future Power Requirements of the United States, 1955-1980*, December 1956.

GENERATING PLANTS

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No. 656.—PRODUCTION OF ELECTRIC ENERGY AND NUMBER AND CAPACITY OF GENERATING PLANTS, BY CLASS OF OWNERSHIP AND TYPE OF PRIME MOVER: 1925 TO 1956

[For years ending December 31, except installed capacity as of December 31. Industrial series first available for 1935; detail by type of prime mover for 1943. See also *Historical Statistics*, series G 171-190 and G 200-224]

ITEM	1925	1930	1935	1940	1945	1950	1955	1956 (prel.)
Production (1,000,000 kilowatt-hours)				179,907	271,255	388,674	629,010	683,894
Electric utilities (for public use)	61,451	91,112	95,287	141,837	222,486	329,141	547,038	600,502
By class of ownership:								
Privately owned	58,685	86,108	89,330	125,411	180,926	266,860	420,869	458,954
Percent of total	95.5	94.5	93.7	88.4	81.3	81.1	76.9	76.4
Publicly owned	2,768	5,003	5,958	16,426	41,560	62,281	126,169	141,638
Municipal	2,302	3,604	4,229	6,188	9,624	15,244	25,852	(1)
Federal	103	465	555	8,584	28,001	40,388	89,064	(1)
Cooperatives, power districts,								
State projects	172	518	732	1,175	3,146	5,793	11,253	(1)
Noncentral stations	189	416	442	470	790	857	(2)	(1)
By source of energy (percent):								
Coal	57.5	55.8	48.0	54.6	51.7	47.1	55.1	56.4
Oil	4.0	3.1	4.2	4.4	3.5	6.8	6.0	
Gas	3.1	6.9	7.6	7.7	8.0	13.5	17.4	17.3
Hydro	35.5	34.2	40.3	33.4	35.9	20.2	20.7	20.3
Industrial plants ^a				38,070	48,769	50,533	81,972	88,303
Installed capacity (1,000 kilowatts)								
Electric utilities (for public use)	21,472	32,384	34,436	50,927	62,868	82,850	130,896	136,997
By class of ownership:								
Privately owned	20,045	30,285	31,820	34,309	40,307	55,176	86,887	91,131
Percent of total	93.4	93.5	92.4	86.2	80.4	80.1	75.9	75.7
Publicly owned	1,427	2,099	2,615	5,528	9,804	13,743	27,585	29,304
Municipal	1,125	1,601	2,002	2,977	3,586	4,970	7,795	(1)
Federal	198	226	300	1,944	6,081	6,021	16,962	(1)
Cooperatives, power districts,								
State projects	49	154	175	435	891	1,538	2,828	(1)
Noncentral stations	56	118	139	173	245	314	(2)	(1)
Industrial plants ^a				11,035	12,757	13,931	16,424	16,561
TYPE OF PRIME MOVER								
Electric utilities (for public use):								
Number of plants, total ^b	3,738	4,043	4,023	3,918	3,886	3,867	3,587	(1)
Hydro	1,250	1,446	1,476	1,474	1,505	1,458	1,381	(1)
Steam	2,004	1,626	1,424	1,153	1,057	1,061	1,045	(1)
Internal combustion	464	971	1,123	1,201	1,324	1,358	1,161	(1)
Production (1,000,000 kilowatt-hours)	61,451	91,112	95,287	141,837	222,486	329,141	547,038	600,502
Hydro	21,798	31,190	38,372	47,321	79,070	95,938	112,975	122,013
Steam	39,367	59,293	56,144	93,002	140,435	220,543	430,110	
Internal combustion	286	629	771	1,514	2,081	3,600	3,944	
Installed capacity (1,000 kilowatts)	21,472	32,384	34,436	39,927	50,111	68,910	114,472	120,435
Hydro	5,022	8,585	9,399	11,224	14,912	17,675	25,004	25,567
Steam	15,368	23,386	24,471	27,775	34,113	49,333	87,112	92,463
Internal combustion	182	414	566	928	1,087	1,911	2,355	2,405
Production per kilowatt of installed capacity (kilowatt-hours) ^c	2,862	2,813	2,767	3,552	4,440	4,776	4,779	4,987
Industrial plants: ^d								
Production (1,000,000 kilowatt-hours)				38,070	48,769	50,533	81,972	83,303
Hydro					4,777	4,946	3,261	3,210
Fuel					43,902	54,587	78,711	80,092
Installed capacity (1,000 kilowatts)				11,035	12,757	13,931	16,424	16,561
Hydro					980	1,000	738	732
Steam					11,135	12,162	14,586	14,700
Internal combustion					641	770	1,100	1,129

^a Not available.

^b Noncentral stations distributed to other publicly owned classes on the basis of actual ownership.

^c Comprises production and capacity of approximately 2,668 industrial electric power plants of 100 kilowatts and over in 1955, including amounts for stationary electric power plants of railroads and railways.

^d Each prime mover type in combination plants counted separately.

^e Based on capacity in service at end of year.

Source: Federal Power Commission; annual report, *Production of Electric Energy and Capacity of Generating Plants*, and industrial electric power summaries; also related monthly reports for 1956.

NO. 657.—GENERATING PLANTS—INSTALLED CAPACITY OF ELECTRIC UTILITIES AND INDUSTRIAL PLANTS, BY TYPE OF PRIME MOVER AND CLASS OF OWNERSHIP, BY STATES: 1955

[In thousands of kilowatts. As of December 31]

DIVISION AND STATE	Total	TYPE OF PRIME MOVER				CLASS OF OWNERSHIP OF ELECTRIC UTILITIES			Industrial plants	
		Electric utilities and industrial		Electric utilities		Total	Privately owned	Publicly owned		
		Fuel	Hydro	Fuel	Hydro			Municipal	Other	
United States	130,896	105,153	25,742	89,468	25,004	114,472	86,887	7,795	19,790	16,424
New England	6,527	5,142	1,385	4,166	1,105	5,271	5,054	180	37	1,256
Maine	928	438	490	278	345	628	604	4	16	306
New Hampshire	566	257	300	215	259	474	472	3	-----	91
Vermont	289	88	200	74	187	261	246	15	-----	28
Massachusetts	2,733	2,500	233	1,987	180	2,167	2,046	112	9	566
Rhode Island	465	457	7	399	2	401	395	2	5	64
Connecticut	1,547	1,401	146	1,213	132	1,345	1,292	45	8	201
Middle Atlantic	21,214	19,425	1,789	16,512	1,706	18,218	17,977	215	27	2,995
New York	9,573	8,233	1,340	7,205	1,264	8,469	8,347	106	17	1,104
New Jersey	3,383	3,374	9	2,908	6	2,914	2,865	47	2	469
Pennsylvania	8,257	7,817	440	6,399	436	6,835	6,705	62	8	1,422
East North Central	30,035	29,092	943	25,115	861	25,976	24,014	1,691	271	4,059
Ohio	8,712	8,698	15	7,449	11	7,459	6,992	454	14	1,233
Indiana	4,973	4,938	35	4,316	35	4,351	4,005	347	-----	622
Illinois	7,611	7,500	51	6,907	48	6,955	6,682	272	30	656
Michigan	5,771	5,349	422	4,194	396	4,500	4,000	503	86	1,181
Wisconsin	2,968	2,548	420	2,550	371	2,622	2,365	115	141	346
West North Central	8,495	7,533	962	7,010	920	7,920	5,327	1,375	1,228	565
Minnesota	1,956	1,767	190	1,008	156	1,764	1,386	304	73	182
Iowa	1,682	1,543	139	1,415	139	1,654	1,221	236	98	128
Missouri	1,867	1,674	193	1,550	103	1,743	1,444	212	87	124
North Dakota	267	267	-----	264	-----	264	185	10	68	3
South Dakota	503	210	293	206	284	491	465	42	284	12
Nebraska	774	632	141	621	141	762	702	-----	178	584
Kansas	1,446	1,441	6	1,347	6	1,353	926	303	34	94
South Atlantic	17,603	14,068	3,536	11,784	3,348	15,131	13,190	710	1,231	2,472
Delaware	270	270	1	224	-----	224	212	12	-----	47
Maryland	1,509	1,327	272	1,101	271	1,373	1,334	30	8	226
Dist. of Columbia	555	552	3	530	3	533	530	-----	3	22
Virginia	2,451	2,028	423	1,532	400	1,931	1,633	57	242	520
West Virginia	2,714	2,507	208	2,076	101	2,177	2,176	1	-----	538
North Carolina	3,749	2,584	1,166	2,336	1,149	3,505	3,091	106	308	245
South Carolina	2,061	1,103	958	721	932	1,652	1,121	5	526	409
Georgia	1,909	1,415	493	1,195	480	1,675	1,554	16	105	234
Florida	2,294	2,281	13	2,050	13	2,062	1,539	483	40	231
East South Central	12,452	8,876	3,576	8,089	3,568	11,657	3,042	166	8,450	795
Kentucky	2,784	2,243	541	2,204	541	745	982	73	1,690	39
Tennessee	5,045	3,309	1,736	2,802	1,736	4,628	122	20	4,487	417
Alabama	3,901	2,602	1,299	2,362	1,291	3,654	1,380	1	2,273	247
Mississippi	722	722	-----	631	-----	631	558	72	-----	92
West South Central	12,317	11,369	948	8,504	945	9,449	7,502	935	1,012	2,868
Arkansas	1,357	906	391	776	388	1,165	784	50	322	193
Louisiana	2,457	2,457	-----	1,594	-----	1,594	1,414	180	-----	863
Oklahoma	1,315	1,150	186	1,095	186	1,260	928	91	242	55
Texas	7,188	6,797	391	5,039	391	5,430	4,376	605	449	1,758
Mountain	6,811	3,105	3,706	2,403	3,703	6,106	3,248	223	2,635	705
Montana	941	90	852	74	851	925	502	-----	423	16
Idaho	824	46	778	4	777	781	676	13	93	42
Wyoming	305	162	143	93	143	236	87	2	148	69
Colorado	1,062	814	248	711	248	959	625	129	205	104
New Mexico	504	479	25	434	25	459	359	32	67	45
Arizona	1,840	859	980	646	880	1,626	509	2	1,115	214
Utah	692	569	93	430	93	523	476	43	4	169
Nevada	643	56	587	11	586	597	15	1	581	46
Pacific	15,442	6,544	8,898	5,884	8,849	14,733	7,534	2,300	4,899	709
Washington	4,369	491	3,878	225	3,849	4,074	652	912	2,510	295
Oregon	2,224	363	1,861	204	1,842	2,046	523	52	1,472	177
California	8,349	5,689	3,160	5,454	3,158	8,612	6,359	1,336	917	236

Source: Federal Power Commission; based on annual report, *Production of Electric Energy and Capacity of Generating Plants, 1955*.

No. 659.—WATER POWER—DEVELOPED, 1920 TO 1955, AND ESTIMATED UNDEVELOPED, 1955, BY STATES

[In thousands of kilowatts. As of December 31]

DIVISION AND STATE	DEVELOPED WATER POWER (capacity of actual installations only)										Estimated undeveloped water power, 1955	
	Electric utilities only		Electric utilities and industrial plants									
	1920		1930		1939		1950		1955			
	1920	1930	Total	Utilities	Total	Utilities	Industrial	Total	Utilities	Industrial		
United States	3,704	8,585	12,075	11,004	18,675	17,675	1,000	25,742	25,004	738	86,895	
New England	291	753	1,115	833	1,239	971	268	1,385	1,105	280	2,536	
Maine	40	174	301	188	391	270	121	490	345	145	1,185	
New Hampshire	43	212	292	235	312	262	50	309	259	49	480	
Vermont	49	156	173	158	192	177	15	200	187	14	549	
Massachusetts	114	129	228	161	223	168	55	233	180	53	214	
Rhode Island	2	2	14	3	11	3	8	7	2	5		
Connecticut	44	79	107	88	107	89	18	146	132	14	158	
Middle Atlantic	662	1,290	1,633	1,563	1,678	1,602	76	1,789	1,706	82	8,023	
New York	540	1,074	1,229	1,105	1,225	1,155	70	1,340	1,264	76	4,517	
New Jersey	1	1	6	3	9	6	3	9	6	3	225	
Pennsylvania	120	215	399	305	444	441	3	440	436	4	3,281	
East North Central	372	602	790	703	901	828	73	943	861	82	3,051	
Ohio	17	13	16	12	16	12	4	15	11	4	525	
Indiana	11	35	38	35	37	37	-----	35	35	-----	668	
Illinois	43	50	51	49	54	49	5	51	48	3	1,209	
Michigan	167	258	368	344	399	384	15	422	396	26	328	
Wisconsin	134	247	318	263	396	347	49	420	371	48	321	
West North Central	257	279	537	501	629	577	52	962	920	42	6,284	
Minnesota	88	122	158	126	181	138	43	190	156	34	227	
Iowa	138	124	127	127	137	137	-----	139	139	-----	403	
Missouri	12	13	151	151	151	151	-----	193	193	-----	2,938	
North Dakota	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	599	
South Dakota	5	4	4	4	11	3	8	293	284	8	1,148	
Nebraska	7	11	87	86	142	142	(1)	141	141	(1)	679	
Kansas	7	6	9	7	6	6	-----	6	6	-----	290	
South Atlantic	589	1,603	2,224	1,803	2,767	2,297	470	3,536	3,348	188	7,943	
Delaware	(1)	(1)	(1)	(1)	1	1	1	1	1	1		
Maryland	1	272	278	271	272	271	1	272	271	1	300	
District of Columbia	2	3	2	3	3	3	3	3	3	3		
Virginia	45	83	204	182	207	188	24	423	400	24	1,196	
West Virginia	9	56	209	101	208	101	107	208	101	107	2,324	
North Carolina	144	307	651	400	962	602	300	1,165	1,149	216	1,044	
South Carolina	231	506	520	495	679	653	26	958	932	27	873	
Georgia	155	271	349	337	425	412	13	493	480	13	2,056	
Florida	4	14	14	14	13	13	-----	13	13	13	99	
East South Central	170	863	1,270	1,140	2,729	2,721	8	3,576	3,568	8	3,707	
Kentucky	105	111	111	111	271	271	-----	541	541	-----	1,413	
Tennessee	97	127	432	310	1,238	1,238	-----	1,736	1,736	-----	507	
Alabama	72	632	727	719	1,220	1,212	8	1,299	1,291	8	1,377	
Mississippi	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	410	
West South Central	4	19	140	139	466	463	3	948	945	3	3,506	
Arkansas	1	11	67	67	148	145	3	391	388	3	1,455	
Louisiana	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	50	
Oklahoma	1	2	2	2	74	74	-----	166	166	-----	921	
Texas	2	6	71	71	245	245	(1)	391	391	(1)	1,080	
Mountain	487	734	1,583	1,551	2,286	2,282	4	3,706	3,703	3	20,668	
Montana	212	300	321	321	427	426	1	852	851	1	5,454	
Idaho	135	225	257	257	441	440	1	778	777	1	7,653	
Wyoming	2	12	47	47	79	79	-----	143	143	-----	920	
Colorado	48	52	67	66	92	91	1	248	248	1	1,736	
New Mexico	1	1	1	1	25	25	-----	25	25	-----	209	
Arizona	23	87	298	293	541	541	-----	980	980	-----	3,291	
Utah	58	98	93	92	94	94	-----	93	93	-----	1,215	
Nevada	9	9	505	504	587	586	1	587	586	1	140	
Pacific	872	2,391	2,783	2,741	5,979	5,933	46	8,898	8,849	49	31,127	
Washington	241	596	812	784	2,591	2,564	27	3,878	3,849	29	17,320	
Oregon	65	156	286	278	783	766	17	1,861	1,842	19	5,987	
California	566	1,640	1,685	1,680	2,606	2,604	2	3,100	3,158	2	7,820	

1 Less than 500.

2 Reflects reclassification from industrial to utility group.

Source: Federal Power Commission. Developed water power published in annual report, *Production of Electric Energy and Capacity of Generating Plants*.

NO. 660.—FEDERAL ELECTRIC UTILITY PROJECTS—INSTALLED CAPACITY AND INVESTMENT ALLOCATED TO ELECTRIC PLANT: 1953 TO 1955

[Installed capacity as of December 31; investment as of June 30. Comprises only the electricity generating plant of these projects and excludes projects not primarily manufacturing electricity (e. g., West Point, Annapolis). Investments represent allocation to power projects for capital equipment and improvements. Reserves for depreciation have not been deducted]

PROJECT GROUP OR SYSTEM	INSTALLED CAPACITY (1,000 kw)			INVESTMENT ALLOCATED ¹ (\$1,000)			
	1953	1954	1955	1953	1954	1955	
	Total	11,301	13,486	16,811	2,613,160	3,377,936	3,869,585
Percent capacity of all electric utilities	12.4	13.1	14.7				
Central Valley: Bureau of Reclamation	452	452	627	106,168	127,958	134,361	
Columbia Basin	3,050	3,388	4,061	645,756	913,447	1,074,088	
Bonneville Power Administration (transmission)				299,095	335,172	368,914	
Bureau of Reclamation	2,201	2,291	2,291	245,100	235,791	226,772	
Corps of Engineers	758	1,096	1,770	101,562	342,484	478,402	
Hoover and Parker-Davis: Bureau of Reclamation							
Missouri Basin	279	577	697	137,543	233,691	371,678	
Bureau of Reclamation	194	332	332	122,306	144,696	216,379	
Corps of Engineers	85	245	305	15,147	138,996	155,299	
Southeastern Power Administration	911	1,031	1,031	252,095	258,342	258,667	
Southeastern Power Administration				461	90	63	
Corps of Engineers	911	1,031	1,031	251,034	258,252	258,604	
Southwestern Power Administration (transmission)	426	426	501	126,050	143,279	157,754	
Southwestern Power Administration (transmission)				20,391	22,961	23,444	
Corps of Engineers	426	426	501	105,659	120,318	134,310	
Tennessee Valley Authority	4,537	5,964	8,214	1,125,997	1,420,449	1,634,057	
Other projects	56	58	90	26,555	27,405	33,382	
Bureau of Reclamation	24	24	24	8,917	9,572	9,693	
Corps of Engineers	16	18	18	11,694	11,829	11,834	
Bureau of Indian Affairs	15	15	15	5,944	6,004	6,342	
International Boundary and Water Commission				32		5,513	

¹ Includes estimated amount for 778,600 kw in 1953, 500,600 kw for 1954, and 828,100 kw for 1955, for which investment figures were not available.

Source: Federal Power Commission.

NO. 661.—ELECTRIC UTILITIES—NUMBER OF ELECTRIC UTILITY SUPPLY SYSTEMS AND GENERATING PLANTS, BY CLASS OF OWNERSHIP: 1932 TO 1955

[As of December 31. Duplications of establishments operating in two or more States have been eliminated. Each type of prime mover in combination generating plants counted separately; nonutility generating plants, approximately 2,668 in 1955, producing primarily for industrial use, are excluded]

ITEM	Total, all classes	Pri- vately owned	PUBLICLY OWNED				
			Total	Munic- ipal	Fed- eral	Public utility districts and State projects	Coop- eratives
1932: Total electric supply systems	3,429	1,627	1,802	1,799	3		
Systems with generating plants	1,788	923	865	862	3		
Number of generating plants	4,339	3,244	1,095	1,085	10		
1937: Total electric supply systems	3,501	1,407	2,094	1,877	25	11	181
Systems with generating plants	1,812	818	994	955	17	6	16
Number of generating plants	4,027	2,916	1,111	1,014	27	43	27
1945: Total electric supply systems	4,051	1,060	2,991	2,092	74	25	800
Systems with generating plants	1,594	492	1,102	990	18	11	83
Number of generating plants	3,886	2,400	1,486	1,157	86	101	142
1950: Total electric supply systems	4,007	821	3,185	2,077	55	91	963
Systems with generating plants	1,495	393	1,102	955	13	42	92
Number of generating plants	3,867	2,334	1,538	1,136	83	148	166
1953: Total electric supply systems	3,889	710	3,179	2,063	53	93	970
Systems with generating plants	1,368	338	1,030	897	6	47	80
Number of generating plants	3,685	2,193	1,493	1,088	107	146	152
1954: Total electric supply systems	3,676	592	3,084	1,980	57	92	955
Systems with generating plants	1,334	325	1,009	875	7	46	81
Number of generating plants	3,627	2,148	1,479	1,072	118	143	146
1955: Total electric supply systems	3,648	581	3,067	1,968	57	92	950
Systems with generating plants	1,315	315	1,000	865	9	59	67
Number of generating plants	3,587	2,103	1,484	1,068	129	149	138

Source: Federal Power Commission; annual report, *Production of Electric Energy and Capacity of Generating Plants*, and related data.

No. 662.—ELECTRIC UTILITIES—BALANCE SHEET AND INCOME ACCOUNT OF PRIVATELY OWNED CLASS A AND B COMPANIES: 1937 TO 1955

[In thousands of dollars. For years ending December 31. Data cover reports of all companies having annual electric revenues in excess of \$250,000. These concerns represent approximately 98 percent of the total privately owned electric utility industry]

ITEM	1937	1940	1945	1950	1954	1955
COMPOSITE BALANCE SHEET						
Assets and other debits, total.....	15,378,135	15,579,209	14,568,323	20,589,713	29,053,888	31,080,865
Utility plant.....	13,851,582	14,406,987	14,490,782	21,440,988	31,247,271	33,708,041
Electric.....	9,614,616	10,447,232	12,175,986	18,955,962	28,084,767	30,306,600
Other.....	1,512,880	1,650,694	1,823,914	2,485,026	3,182,504	3,402,341
Unclassified.....	2,724,087	2,309,061	490,882			
Reserve for depreciation and amortization.....	1,485,250	1,912,974	3,064,919	4,385,260	5,906,470	6,405,906
Utility plant less reserves.....	12,356,333	12,494,013	11,425,863	17,055,728	25,340,801	27,302,975
Utility plant adjustments.....	(2)	(2)	(2)	\$ 2,055	\$ 528	\$ 393
Investment and fund accounts.....	1,462,433	1,380,403	1,089,443	1,234,927	\$ 1,009,112	\$ 932,872
Current and accrued assets.....	959,076	1,122,902	1,605,721	2,058,124	2,436,859	2,567,267
Other assets.....	600,293	681,801	357,296	238,879	266,588	277,358
Liabilities and other credits, total.....	15,378,135	15,579,209	14,568,323	20,589,713	29,053,888	31,080,865
Capital stock.....	6,528,385	6,570,852	6,002,262	7,943,911	10,635,181	11,231,342
Common.....	4,306,304	4,392,601	3,879,314	5,046,117	6,643,746	6,942,263
Preferred.....	2,125,431	2,078,219	2,071,133	2,574,886	3,280,741	3,461,663
Premiums assessments, etc.....	96,590	100,032	111,815	322,908	710,694	827,356
Capital surplus.....	223,998	256,899	239,439	329,508	325,862	330,178
Earned surplus.....	802,281	860,351	765,522	1,345,981	2,135,320	2,363,813
Long-term debt.....	6,850,195	6,895,460	6,141,453	9,188,616	13,322,242	14,329,900
Current and accrued liabilities.....	692,384	602,038	964,830	1,527,186	2,254,336	2,380,995
Other liabilities.....	280,802	303,009	394,817	260,511	380,947	444,637
COMPOSITE INCOME ACCOUNT						
Electric operating revenues.....	2,157,277	2,403,712	3,171,457	4,783,860	6,549,143	7,199,046
Electric operating revenue deductions.....	1,446,921	1,666,985	2,408,569	3,828,255	5,201,990	5,701,623
Operating expenses.....	928,629	1,013,189	1,455,615	2,454,994	3,146,611	3,378,990
Depreciation and amortization.....	212,865	256,396	315,858	434,434	627,579	697,932
Taxes.....	305,427	397,400	639,006	938,827	1,427,800	1,624,771
Net electric operating revenues.....	710,350	736,727	762,888	955,605	1,347,153	1,497,353
Income from electric plant leased to others.....	7,514	7,625	4,750	5,200	2,862	2,829
Electric utility operating income.....	717,870	744,352	767,638	960,805	1,350,015	1,500,182
Other utility operating income.....	51,095	60,536	65,082	72,273	108,913	119,345
Total utility operating income.....	768,965	804,888	832,720	1,033,078	1,458,928	1,619,527
Other income.....	70,698	68,149	64,338	68,156	67,185	63,114
Gross income.....	839,663	873,037	887,058	1,101,234	1,526,113	1,682,641
Income deductions.....	330,184	325,373	352,604	279,291	392,001	438,578
Interest on long-term debt.....	282,905	266,607	210,771	259,705	399,854	432,490
Other income deductions (net).....	47,279	58,766	141,333	19,586	47,853	6,088
Net income.....	509,479	547,664	534,454	821,943	1,134,112	1,244,063

¹ Beginning 1950, limited amounts of unclassified utility plant and reserves for depreciation have been assigned to electric and other utility departments on the basis of estimates.

² Included with utility plant.

³ Less reserves.

⁴ Reverse item.

Source: Federal Power Commission; annual report, *Statistics of Electric Utilities in the United States*.

No. 663.—ELECTRIC LIGHT AND POWER INDUSTRY—ENERGY GENERATED, SALES, REVENUE, AND CUSTOMERS: 1940 TO 1956

[See also *Historical Statistics*, series G 225-238]

CLASS	1940	1945	1950	1954	1955	1956
Energy generated ¹ million kilowatt-hours	141,837	222,486	329,141	471,686	547,038	600,592
Sales to ultimate customers	118,643	193,558	280,539	410,904	480,921	529,144
Residential or domestic	do	23,318	34,184	67,030	108,465	120,524
Rural (distinct rural rates)	do	1,901	3,668	7,400	10,751	11,098
Commercial and industrial:						
Small light and power	do	22,373	30,438	50,446	73,373	80,759
Large light and power	do	59,557	107,490	139,065	200,155	249,206
All other	do	11,405	17,777	16,598	18,735	19,681
Revenue from ultimate customers	\$1,000	2,440,218	3,341,518	5,086,465	7,277,267	8,020,439
Residential or domestic	do	895,951	1,167,356	1,931,696	2,920,196	3,185,651
Rural (distinct rural rates)	do	49,473	90,345	157,611	216,391	228,815
Commercial and industrial:						
Small light and power	do	639,253	850,213	1,333,755	1,846,634	1,993,090
Large light and power	do	631,428	1,001,957	1,404,980	1,977,283	2,275,727
All other	do	174,112	231,647	258,423	316,763	336,147
Ultimate customers, Dec. 31	1,000	30,191	34,031	44,986	51,215	52,559
Residential or domestic	do	24,952	28,117	37,533	43,140	44,499
Rural (distinct rural rates)	do	686	1,234	1,596	1,638	1,648
Commercial and industrial:						
Small light and power	do	4,260	4,398	5,466	5,992	6,042
Large light and power	do	178	162	235	281	288
All other	do	115	119	156	164	172

¹ Figures obtained by Edison Electric Institute from Federal Power Commission.

Source: Edison Electric Institute, New York, N. Y.; annual statistical bulletin.

No. 664.—CONSUMPTION OF FUELS BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY: 1920 TO 1956

[For years ending December 31. Use of fuels for stand-by purposes is included. See also *Historical Statistics*, series G 194-199.]

YEAR	CONSUMPTION OF FUELS				Fuel oil (1,000 42-gal. bbl.)	Gas (million cubic feet)	Con- sump- tion of coal and coal equiva- lent of other fuels (1,000 short tons)	Out- put fuels ² (million kilo- watt- hours)	Con- sump- tion per kilo- watt- hour (pounds)					
	Coal (1,000 short tons)													
	Total	Bitumi- nous ¹	Anthra- cite	Lignite ¹										
1920	31,640	30,099	1,540	-----	12,600	22,136	35,791	23,495	3.0					
1925	35,615	33,803	1,812	-----	9,794	45,472	40,014	39,443	2.0					
1930	40,278	38,130	2,148	-----	8,805	119,553	47,545	59,583	1.60					
1935	32,715	30,936	1,779	-----	11,257	124,118	40,797	56,689	1.44					
1940	51,474	47,721	2,348	1,403	16,325	180,096	62,942	93,903	1.34					
1945	74,725	70,621	3,122	982	20,228	326,212	92,642	142,331	1.30					
1948	99,586	94,470	3,966	1,151	42,645	478,007	130,122	199,796	1.30					
1949	83,963	79,397	3,354	1,213	66,301	550,121	124,574	200,906	1.24					
1950	91,871	88,855	3,609	1,407	75,420	628,919	138,421	232,813	1.19					
1951	105,768	100,378	3,870	1,521	63,945	763,898	154,498	270,531	1.14					
1952	107,071	101,795	3,762	1,514	67,218	910,117	160,872	293,640	1.10					
1953	115,897	110,774	3,614	1,509	82,238	1,034,272	178,491	337,042	1.06					
1954	118,385	113,660	3,166	1,558	66,745	1,105,408	180,367	364,354	0.99					
1955	143,759	138,883	3,209	1,667	75,274	1,153,280	206,929	433,786	0.95					
1956 (prel.)	158,314	153,540	3,296	1,477	72,705	1,237,419	223,718	478,579	0.94					

¹ Lignite included with bituminous coal prior to 1940.

² Output by use of wood and waste not included except small amount in 1956.

Source: Federal Power Commission; annual report, *Consumption of Fuel for Production of Electric Energy*; also, related monthly reports.

No. 665.—FARM ELECTRIFICATION: 1940 TO 1956

[Beginning 1950, data reflect change in Census definition of farm, which tends to decrease number of farms.]

ITEM	1940	1945	1950	1953	1954	1955	1956
Total number of farms ¹	6,096,799	5,859,169	5,382,162		4,782,393		
Total number of farms served, Dec. 31	2,050,000	2,929,000	4,424,000	4,992,000	5,079,000	4,487,000	4,561,000
By private companies	1,448,500	1,707,100	1,995,000	2,158,000	2,194,000	1,940,000	1,982,000
By public authorities, total	601,500	1,221,900	2,426,000	2,834,000	2,885,000	2,547,000	2,579,000
By REA cooperatives ²	617,500	1,051,000	2,168,000	2,544,000	2,592,000	2,287,000	2,314,000
Other public ³	84,000	170,900	258,000	290,000	293,000	260,000	265,000
EASTERN FARMS ⁴							
Number of customers (farms served), average	1,431,028	2,160,265	3,288,000	3,808,000	3,882,000	3,445,000	3,499,000
Sales, kilowatt-hours	1,535,350	3,394,000	7,677,000	11,439,000	12,600,000	12,574,000	13,620,000
Revenue	\$1,000,	66,525	124,309	244,136	335,625	358,907	346,861
Kilowatt-hours per customer	1,073	1,571	2,335	3,004	3,246	3,650	3,803
Annual bill, average	46.46	57.50	74.25	88.02	92.51	100.74	105.50
Revenue per kilowatt-hour	4.33	3.66	3.18	2.93	2.85	2.76	2.71
WESTERN FARMS ⁴							
Number of customers (farms served), average	413,980	687,600	958,000	1,119,000	1,147,000	1,009,000	1,024,000
Sales, kilowatt-hours	1,520,000	2,514,000	4,632,000	8,029,000	8,236,000	8,254,000	8,448,000
Revenue	\$1,000,	35,500	52,595	88,470	144,233	150,138	147,431
Kilowatt-hours per customer	4,396	3,943	4,833	7,172	7,180	8,180	8,246
Annual bill, average	85.72	82.41	92.31	129.10	130.68	146.42	150.90
Revenue per kilowatt-hour	1.95	2.09	1.91	1.80	1.82	1.79	1.83

¹ Census figures; relate to Apr. 1 for 1940 and 1950, Jan. 1 for 1945, and Nov. for 1954.

² Represents cooperatives only and excludes customers of all other agencies (companies and municipals) financed in whole or in part by REA.

³ Customers served by municipal systems and various power districts not financed by REA.

⁴ "Eastern farms" are those located in the area not affected by heavy irrigation pumping and their statistics are a measure of use of electricity on the average farm. "Western farms" are those where irrigation may be involved. Possibly less than one-fifth of farms in irrigation States do actual pumping, but statistics are not available to make a more accurate separation. Figures for "Western farms," therefore, are more a reflection of fluctuation in the energy used than they are of the conventional farm requirements.

Source: Edison Electric Institute, New York, N. Y.; annual statistical bulletin.

No. 666.—RURAL ELECTRIFICATION ADMINISTRATION—SUMMARY OF OPERATIONS: 1935 TO 1956

YEAR	LOANS APPROVED, CUMULATIVE AS OF DEC. 31 ¹		SYSTEMS IN OPERATION, DEC. 31 ³			BORROWERS' OPERATIONS DURING YEAR ⁷			
	Bor- row- ers ²	Amount	Sys- tems ⁴	Miles ener- gized ⁵	Con- sumers served ⁶	Energy generated	Energy purchased	Energy distrib- uted	Revenue
1935		\$1,000	Number	Number	Miles	Number	1,000 kwh	1,000 kwh	1,000 kwh \$1,000
1935	6,977	6,977	2	0	0	0	(8)	(8)	(8)
1940	791	351,455	685	267,846	674,495				
1945	961	666,954	848	449,579	1,408,918	255,397	2,344,550	2,136,384	73,607
1946	1,009	958,009	869	506,838	1,683,901	319,913	2,730,265	2,477,509	89,948
1947	1,029	1,190,527	911	603,064	2,046,095	33,282	3,720,705	3,308,290	114,998
1948	1,044	1,574,924	952	759,494	2,518,450	718,283	5,018,725	4,757,051	151,674
1949	1,066	1,999,280	995	943,335	3,040,425	903,412	6,541,739	6,227,471	197,029
1950	1,076	2,311,637	1,007	1,088,777	3,413,407	1,076,946	8,164,801	7,778,735	241,373
1951	1,076	2,484,444	1,016	1,178,515	3,665,936	1,112,640	9,998,422	9,738,486	285,141
1952	1,081	6,658,946	1,020	1,244,645	3,858,396	1,039,848	11,757,007	11,584,359	323,575
1953	1,078	2,778,136	1,022	1,297,264	4,024,826	2,103,446	13,737,814	13,575,494	366,428
1954	1,075	2,946,228	1,024	1,327,937	4,174,346	2,720,907	16,129,367	16,508,177	412,842
1955	1,077	3,125,068	1,026	1,361,605	4,251,250	3,254,592	18,457,306	19,200,477	455,259
1956 (prel.)	1,077	3,343,094	1,026	1,383,000	4,357,000	3,608,000	21,126,000	21,995,000	500,900

¹ Net; i. e., excludes loans rescinded. For years prior to 1948, includes amounts not yet under loan contract.

² Organizations, mainly cooperatives, to which loans for extending central station electric service in rural areas are made.

³ Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Dec. 31, 1956, there were 47 such borrowers, with 12,118 miles energized and 54,510 consumers served.

⁴ Rural electric distribution, generation, and transmission systems operated by REA borrowers.

⁵ Pole miles of electric distribution and transmission line in service.

⁶ Through 1954, this item was headed "Consumers connected." The change was a result of a revised definition of a consumer as reported by REA borrowers, effective Jan. 1, 1955. It resulted in a downward adjustment in the national total of about 60,000 for 1955, chiefly through elimination of idle services.

⁷ Includes energy sales and revenues of power sold by one REA borrower to another. ⁸ Not available.

Source: Department of Agriculture, Rural Electrification Administration; *Agricultural Statistics*.

No. 667.—GAS UTILITY INDUSTRY—CUSTOMERS AND REVENUES, BY CLASS OF SERVICE: 1932 TO 1956

[Covers natural, manufactured, mixed, and liquid petroleum gas. Based on questionnaire mailed to all privately owned gas utilities and municipally owned gas departments in the United States, except those with annual revenues less than \$25,000, which in the aggregate account for only a negligible portion of the industry.]

YEAR	CUSTOMERS (1,000) ¹					REVENUES (\$1,000) ²				
	Total	Residen-tial	Com-mercial	Indus-trial	Other	Total	Residen-tial	Com-mercial	Indus-trial	Other
1932	15,532	14,452	999	73	8	723,228	537,146	92,807	90,674	2,601
1935	15,819	14,725	1,014	72	8	726,809	503,111	90,815	130,453	2,430
1936	16,170	15,026	1,058	77	9	770,129	516,049	97,318	151,474	5,288
1937	16,605	15,466	1,056	74	9	801,039	528,297	99,768	167,073	6,801
1938	16,876	15,697	1,094	75	10	777,167	522,593	101,061	144,902	8,611
1939	17,128	15,926	1,121	73	8	814,156	537,565	105,240	164,921	6,430
1940	17,600	16,381	1,138	73	8	871,682	573,319	111,964	181,852	4,547
1941	18,126	16,904	1,137	78	7	914,036	574,842	114,323	219,805	5,066
1942	18,734	17,511	1,137	78	8	994,318	622,670	127,039	237,517	7,092
1943	19,064	17,838	1,141	77	8	1,064,044	647,558	127,528	277,496	11,462
1944	19,585	18,320	1,177	82	6	1,108,162	666,734	133,120	293,315	14,993
1945	19,977	18,607	1,278	80	12	1,152,807	705,211	148,597	280,908	18,091
1946	20,636	19,157	1,377	87	15	2,122,563	910,073	160,982	284,317	13,193
1947	21,416	19,835	1,474	91	16	1,395,616	801,558	190,759	325,642	17,657
1948	22,245	20,562	1,571	94	18	1,579,462	957,925	220,906	377,408	23,223
1949	23,035	21,264	1,657	97	17	1,688,591	1,031,203	238,077	305,559	23,666
1950	24,001	22,146	1,739	100	16	1,948,002	1,177,070	205,571	479,610	25,751
1951	24,953	23,042	1,787	101	23	2,228,109	1,334,967	294,435	557,068	41,639
1952	25,850	23,852	1,869	104	25	2,467,284	1,456,718	321,309	639,236	50,021
1953	26,705	24,647	1,926	107	25	2,718,624	1,574,428	338,914	738,202	66,080
1954	27,528	25,398	1,900	112	28	3,052,144	1,782,670	377,749	820,515	71,210
1955	28,479	26,283	2,048	121	27	3,452,200	2,007,450	424,090	937,591	83,069
1956 (rel.)	20,602	27,325	2,122	126	29	3,947,683	2,316,993	484,360	1,077,405	68,925

¹ Yearly averages.² Excludes revenues from sales for resale.Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 668.—ESTIMATES OF NATURAL GAS RESERVES: 1945 TO 1956

[In millions of cubic feet. Volumes calculated at a pressure base of 14.65 p. s. i., absolute, and at a standard temperature of 60° F.]

YEAR	NATURAL GAS ADDED DURING YEAR			Net increase in underground storage	Net production during year	Estimated proved reserves as of end of year	Increase over previous year
	Total	Extensions and revisions	Discoveries of new fields and new pools in old fields				
1945							
1946	17,720,152	(1)	(1)	(1)	4,942,617	147,780,307	
1947	10,980,824	7,570,654	3,410,170	(1)	5,629,811	160,575,901	12,786,635
1948	13,808,572	9,769,483	4,129,089	51,482	6,007,628	165,926,914	5,351,013
1949	12,674,299	8,061,429	4,612,870	82,746	6,245,041	173,869,340	7,942,426
1950	12,049,732	9,172,381	2,877,351	54,301	6,892,678	185,592,699	5,211,355
1951	16,052,991	13,013,606	3,039,385	132,751	7,966,941	193,811,500	8,218,801
1952	14,345,513	8,934,470	5,411,043	198,850	8,639,638	199,716,225	6,512,004
1953	20,453,016	13,371,355	7,081,661	2,516,431	9,238,540	211,447,132	11,730,907
1954	9,599,203	4,632,309	4,966,894	90,906	9,420,500	211,710,732	263,600
1955	22,017,194	16,298,125	5,719,069	87,637	10,118,118	223,697,445	11,986,713
1956	24,851,080	19,214,004	5,036,476	133,970	10,907,926	237,774,509	14,077,124

¹ Not estimated separately.² Includes all native gas in storage reservoirs formerly classified as a natural gas reserve.Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 669.—GAS UTILITY INDUSTRY—CUSTOMERS AND REVENUES, BY TYPE OF GAS,
CLASS OF SERVICE, AND STATES: 1955

[See headnote, table 667]

TYPE OF GAS, DIVISION, AND STATE	CUSTOMERS (1,000) 1					REVENUES (\$1,000) 2				
	Total	Resi- dential	Com- mer- cial	Indus- trial	Other	Total	Resi- dential	Com- mer- cial	Indus- trial	Other
United States, all types.....	28,478.8	26,282.6	2,047.5	121.2	27.5	3,452,200	2,007,450	424,090	937,591	83,069
Natural gas.....	22,864.2	21,084.8	1,665.7	88.7	25.0	2,969,592	1,656,833	351,897	880,225	80,587
Manufactured gas.....	1,295.9	1,160.3	128.6	5.7	1.3	94,727	58,502	25,072	9,673	1,480
Mixed gas.....	4,078.2	3,818.9	231.6	26.5	1.2	308,192	277,787	42,335	47,137	933
Liquefied petroleum gas.....	240.5	218.6	21.6	0.3	(*)	19,689	14,278	4,788	556	69
New England.....	1,616.5	1,525.3	77.8	12.4	1.0	137,844	103,266	17,622	15,862	1,094
Connecticut.....	372.1	350.6	19.5	1.9	0.1	34,385	24,316	4,388	5,587	96
Maine.....	38.7	36.7	1.9	0.1	(*)	3,288	2,555	491	240	2
Massachusetts.....	988.3	932.2	46.5	8.9	0.7	83,648	64,117	10,406	8,293	832
New Hampshire.....	36.2	33.9	2.0	0.2	0.1	3,072	2,300	508	240	24
Rhode Island.....	150.9	151.6	6.9	1.3	0.1	12,071	8,916	1,593	1,424	138
Vermont.....	21.3	20.3	1.0	(*)	(*)	1,380	1,062	238	78	2
Middle Atlantic.....	7,180.5	6,649.8	493.8	29.2	7.7	702,954	488,211	93,202	115,658	5,883
New Jersey.....	1,360.7	1,254.4	100.7	5.6	(*)	113,207	84,781	17,578	10,618	230
New York.....	3,776.3	3,484.3	271.9	14.9	5.2	307,619	222,977	48,718	32,090	3,834
Pennsylvania.....	2,043.5	1,911.1	121.2	8.7	2.5	282,128	180,453	26,906	72,950	1,819
East North Central.....	6,322.8	5,913.6	379.0	23.3	6.9	536,988	522,506	92,043	217,108	5,321
Illinois.....	1,966.7	1,853.3	100.9	11.5	1.0	234,844	140,405	20,324	73,545	570
Indiana.....	674.6	626.6	44.8	1.9	1.3	83,758	47,195	9,311	26,697	555
Michigan.....	1,298.7	1,226.4	68.4	3.9	(*)	165,884	120,302	16,296	28,499	287
Ohio.....	1,908.8	1,761.6	138.4	4.0	4.6	304,392	179,536	40,218	81,701	2,037
Wisconsin.....	474.2	26.5	2.0	(*)	(*)	48,110	34,568	5,894	6,666	982
West North Central.....	2,281.3	2,086.6	182.4	11.7	0.6	360,139	202,261	45,485	102,849	9,541
Iowa.....	364.7	330.2	33.6	0.9	(*)	57,598	32,636	9,180	14,222	1,500
Kansas.....	477.8	429.0	45.4	2.3	0.2	77,092	34,480	8,498	30,557	3,557
Minnesota.....	408.4	381.0	25.5	1.9	(*)	68,250	43,210	7,116	17,484	440
Missouri.....	706.1	656.2	46.6	3.2	0.1	97,997	60,916	11,127	24,634	1,320
Nebraska.....	244.9	217.7	23.6	3.8	0.3	46,606	24,039	6,498	13,574	2,495
North Dakota.....	31.4	28.5	2.9	(*)	(*)	3,516	2,283	1,017	150	66
South Dakota.....	48.0	43.1	4.8	0.1	(*)	9,080	4,697	2,049	2,228	106
South Atlantic.....	2,011.0	1,847.8	152.7	5.7	4.8	251,976	149,920	33,862	63,663	4,531
Delaware.....	56.0	52.4	3.5	0.1	(*)	4,732	3,702	613	411	6
District of Columbia.....	181.9	165.1	15.1	0.7	1.0	20,584	15,662	4,078	295	549
Florida.....	184.2	172.0	11.2	0.1	0.9	19,972	10,178	4,114	4,895	785
Georgia.....	368.3	335.6	30.5	2.5	0.1	54,175	25,156	5,721	22,768	530
Maryland.....	477.0	445.3	30.4	0.8	0.5	50,017	38,258	5,273	6,140	340
North Carolina.....	75.2	66.5	8.4	0.3	(*)	10,954	5,197	2,308	3,131	318
South Carolina.....	47.9	42.4	5.4	0.1	(*)	7,966	3,073	1,380	3,430	74
Virginia.....	291.4	269.7	20.2	0.6	0.9	39,081	24,960	4,961	8,306	854
West Virginia.....	329.1	299.2	28.0	0.5	1.4	44,495	23,734	5,414	14,278	1,009
East South Central.....	1,129.8	1,019.0	105.2	3.9	1.7	183,932	81,481	23,429	68,993	10,029
Alabama.....	326.6	301.6	23.9	1.0	0.1	56,338	23,913	4,875	26,834	716
Kentucky.....	342.1	310.2	30.5	0.5	0.9	43,491	26,638	6,021	9,820	1,012
Mississippi.....	210.0	194.0	23.3	1.5	0.2	35,821	12,611	3,919	17,154	1,37
Tennessee.....	242.1	213.2	27.5	0.9	0.5	49,282	18,319	8,614	15,185	7,164
West South Central.....	3,184.8	2,870.8	289.3	21.4	3.3	406,344	152,814	38,250	205,119	10,161
Arkansas.....	236.3	205.6	20.0	1.6	0.1	40,176	12,491	4,547	22,514	624
Louisiana.....	551.3	506.5	41.1	3.1	0.6	82,473	28,207	3,750	53,563	1,963
Oklahoma.....	556.5	480.2	51.8	3.3	1.2	57,738	29,669	8,015	18,788	1,266
Texas.....	1,860.7	1,678.5	167.4	13.4	1.4	225,957	87,447	21,938	110,254	6,318
Mountain.....	924.4	825.1	94.1	3.7	1.5	150,451	70,446	23,783	52,369	3,863
Arizona.....	210.2	188.6	20.4	1.0	0.2	30,301	11,464	3,698	14,852	287
Colorado.....	295.8	262.5	33.8	0.4	0.1	50,380	24,919	10,709	14,106	646
Idaho.....	0.5	0.3	0.2			54	23	31		
Montana.....	93.7	83.3	9.9	0.4	0.1	15,736	8,007	3,346	8,940	443
Nevada.....	14.5	13.3	1.2	(*)	(*)	2,762	1,375	376	971	49
New Mexico.....	136.5	122.3	12.7	0.7	0.8	22,596	9,436	2,790	8,227	2,143
Utah.....	116.3	105.4	9.9	1.0	(*)	19,651	10,318	1,275	8,057	1
Wyoming.....	55.9	49.4	6.0	0.2	0.8	8,971	4,904	1,558	2,216	203
Pacific.....	3,827.7	3,544.6	273.2	9.9	(*)	421,572	236,545	56,414	95,970	32,643
California.....	3,673.5	3,411.5	252.7	9.3	(*)	401,069	223,870	50,334	95,123	32,642
Oregon.....	89.7	79.6	9.6	0.5	(*)	11,230	7,835	2,945	4,449	1
Washington.....	64.5	53.5	10.9	0.1		8,373	4,840	3,135	398	

¹ Averages for the year. ² Excludes revenues from sales for resale. ³ Less than 50 customers.

No. 670.—GAS UTILITY INDUSTRY—CUSTOMERS, SALES, AND REVENUES, BY TYPE OF GAS: 1954 TO 1956.

[See headnote, table 667]

TYPE OF GAS	CUSTOMERS (1,000) ¹			SALES (1,000,000 therms)			REVENUES (\$1,000) ²		
	1954	1955	1956 (prel.)	1954	1955	1956 (prel.)	1954	1955	1956 (prel.)
All types.....	27,528	28,479	29,602	61,428	66,915	73,350	3,052,144	3,452,200	3,947,683
Natural gas.....	21,399	22,864	25,019	58,014	63,327	69,898	2,576,310	2,969,592	3,483,180
Manufactured gas.....	1,769	1,296	747	542	457	333	111,004	94,727	70,022
Mixed gas.....	4,094	4,078	3,617	2,792	3,039	3,033	344,718	368,192	374,525
Liquefied petroleum gas.....	266	241	219	80	81	86	20,112	10,689	19,956

¹ Yearly averages. ² Excludes revenues from sales for resales.Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 671.—GAS UTILITY AND PIPELINE INDUSTRY—COMPOSITE BALANCE SHEET AND INCOME ACCOUNT: 1945 TO 1955

[In millions of dollars]

ITEM	1945	1948	1949	1950	1951	1952	1953	1954	1955
COMPOSITE BALANCE SHEET									
Assets and other debits, total.....									
5,825	7,495	8,240	9,280	10,880	12,115	13,680	14,705	15,960	
Utility plant and adjustments.....	4,955	6,220	7,030	7,850	9,310	10,385	11,685	12,505	13,750
Investment and fund accounts.....	190	370	340	370	380	440	585	535	550
Current and accrued assets.....	615	840	815	905	1,100	1,180	1,265	1,420	1,515
Deferred debits ¹	65	65	55	65	90	110	145	155	145
Liabilities and other credits, total.....	5,825	7,495	8,240	9,280	10,880	12,115	13,680	14,705	15,960
Capital stock.....	1,780	2,065	2,270	2,485	2,770	3,070	3,405	3,725	4,060
Common.....	2,385	2,695	1,780	1,850	1,980	2,150	2,315	2,450	2,720
Preferred.....	395	370	410	520	580	695	715	805	885
Premiums, assessments, etc.....	(3)	(3)	80	115	210	225	375	470	455
Long-term debt.....	1,555	2,470	2,720	3,230	4,080	4,650	5,415	5,775	6,075
Bonds.....	1,320	1,985	1,970	2,280	2,840	3,320	3,895	4,325	4,440
Debentures.....	(3)	(3)	295	410	540	580	685	680	855
Other.....	235	485	455	540	680	750	835	770	780
Current and accrued liabilities.....	365	560	575	755	1,030	1,065	1,160	1,205	1,440
Deferred credits.....	35	35	25	30	40	60	80	100	85
Reserve for depreciation, retirement, depletion, etc.....	1,445	1,540	1,725	1,795	1,960	2,110	2,350	2,615	2,865
Other reserves.....	110	90	95	70	70	70	99	80	100
Contributions in aid of construction.....	20	20	25	30	30	35	40	45	50
Capital surplus.....	125	135	140	145	110	180	165	195	205
Earned surplus.....	390	580	665	740	810	875	975	965	1,030
COMPOSITE INCOME ACCOUNT									
Operating revenues.....	1,414	2,042	2,227	2,634	3,110	3,571	4,130	4,613	5,239
Operating revenue deductions.....	1,196	1,771	1,914	2,254	2,675	3,105	3,590	4,013	4,555
Operating expenses.....	882	1,378	1,493	1,733	2,015	2,366	2,772	3,120	3,505
Depreciation, retirements, depletion, etc.....	130	147	162	181	218	253	293	329	359
Federal taxes.....	234	120	118	183	269	291	312	347	435
Other taxes.....		126	141	157	173	195	213	217	256
Net operating revenues.....	218	271	313	380	435	466	540	600	684
Rent from utility plant leased to others.....	(6)	(6)	(3)	1	2	2	3	2	2
Rent for lease of utility plant.....							(6)	(6)	(6)
Utility operating income.....	218	271	313	381	437	468	543	602	686
Other income (nonoperating).....	16	28	29	35	29	34	30	48	51
Gross income.....	234	299	342	416	466	502	573	659	737
Income deductions.....	77	71	82	90	119	141	180	200	213
Interest on long-term debt.....	55	61	77	94	116	138	169	194	203
Other income deductions (net).....	22	10	5	4	3	5	11	6	10
Net income.....	157	228	260	326	347	361	393	450	524

¹ Includes capital stock discount and expense and reacquired securities.² Includes "premiums, assessments, etc." ³ Included in "bonds."⁴ Included in "common capital stock." ⁵ Less than \$500,000.⁶ Includes "debentures." ⁷ Reverse item.Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 672.—UTILITY GAS MAINS—MILEAGE, BY TYPE OF GAS AND BY TYPE OF MAIN: 1945 TO 1956

[As of December 31. Excludes service pipe. Data not adjusted to common diameter equivalent]

Type of Gas and Main	1945	1949	1950	1951	1952	1953	1954	1955	1956 (prel.)
All types, total	310,670	364,080	387,470	406,630	424,180	445,190	469,300	497,300	524,800
Field and gathering	27,000	30,860	32,850	34,580	33,320	41,380	43,680	46,220	49,800
Transmission	82,190	102,930	113,050	119,150	122,000	128,960	137,610	145,190	155,000
Distribution	201,480	230,290	241,570	252,900	263,860	274,870	288,010	305,980	320,000
Natural gas	218,000	281,480	314,480	342,530	367,790	393,810	419,670	449,420	485,810
Field and gathering	27,000	30,860	32,850	34,580	33,320	41,380	43,680	46,220	49,800
Transmission	77,280	98,270	109,360	115,240	118,160	125,330	134,000	141,710	151,750
Distribution	113,720	152,350	172,270	192,710	211,310	227,120	241,990	261,490	284,260
Manufactured gas	72,000	64,300	55,420	36,480	27,320	16,520	14,240	11,060	6,760
Field and gathering	3,410	3,010	2,230	1,440	1,190	820	650	420	190
Transmission	68,590	61,290	53,100	35,040	26,130	15,700	13,590	11,540	6,570
Mixed gas	18,660	11,990	11,990	22,050	23,670	29,680	30,740	31,440	28,450
Field and gathering	1,480	1,420	1,370	2,380	2,570	2,730	2,890	2,990	2,990
Transmission	17,180	10,570	10,620	19,670	21,100	26,950	27,850	28,450	25,460
Liquefied petroleum gas	2,010	6,310	5,580	5,570	5,400	5,180	4,650	4,570	3,780
Field and gathering	20	230	90	90	80	80	70	70	70
Distribution	1,990	6,080	5,490	5,480	5,320	5,100	4,580	4,500	3,710

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 673.—ATOMIC ENERGY PROGRAM—APPROPRIATIONS, INVESTMENTS, COSTS, AND EMPLOYMENT: 1950 TO 1956

[Money figures are in millions of dollars. For years ending June 30]

ITEM	1950	1951	1952	1953	1954	1955	1956
Appropriations received	703	2,032	1,606	4,136	1,042	1,210	834
Operations				809	886	1,099	1,146
Plant and equipment				3,327	156	111	1 (312)
Plant investment, year end	2,104	2,516	3,497	4,579	5,705	6,487	6,713
Completed plant	1,809	1,925	2,134	3,149	4,090	5,858	6,406
Production plants	1,251	1,287	1,327	2,118	2,958	4,654	5,250
Research facilities	184	234	339	548	616	699	716
Communities	262	282	288	298	300	299	299
Other	112	122	180	185	216	206	201
Construction in progress	295	591	1,363	1,430	1,615	629	247
Cost of operations ^a	415	495	684	905	1,039	1,290	1,608
Procurement and production of nuclear materials	169	188	278	400	552	782	1,010
Weapons development and fabrication	112	164	229	258	261	260	281
Development of nuclear reactors	31	44	65	105	100	120	177
Research in physical sciences	31	32	36	42	43	44	51
Research in life sciences	19	22	25	27	27	29	30
Community operations (net)	20	17	16	15	12	10	9
Administrative expenses	23	25	32	38	35	34	38
Other	10	3	3	22	19	11	12
Employment	63,739	99,126	149,371	148,799	141,949	112,555	110,143
Federal Government	4,941	5,646	6,682	6,894	6,123	6,013	6,653
Contractor operating	39,095	47,745	58,101	71,775	73,312	82,936	90,238
Contractor construction and design	19,703	45,735	84,608	70,130	62,514	23,606	13,322

^a Reflects transfer to operations of \$571 million appropriated in prior years for plant and equipment.

^b Includes depreciation.

Source: Atomic Energy Commission; semiannual reports and records.

No. 674.—ATOMIC ENERGY PROGRAM—SUMMARY: 1950 TO 1956

[For years ending June 30, except as noted]

ITEM	1950	1951	1952	1953	1954	1955	1956
Operating contractors ¹	37	40	45	50	54	57	59
Construction and design contractors ¹	22	33	35	32	27	18	23
Educational and research institutions with AEC offsite contracts	100	139	157	172	171	187	192
Offsite research projects with educational and non-profit institutions	251	476	581	624	618	731	771
Nuclear reactors in U. S.: ²							
Government-owned	8	11	14	19	21	24	83
Production reactors							13
Reactors for research	7	9	11	15	18	19	30
Experimental civilian power reactors	1	2	3	3	2	2	11
Military reactors				1	1	3	29
Privately owned					1	1	15
Power reactors					1	1	43
Reactors for research						2	12
Licensing actions (issuances): ³							
Power reactors: ⁴ Construction permits							4
Research reactors: ⁵							
Construction permits						4	2
Licenses to operate						62	4
Critical experiment facilities: ⁶ Construction permits						2	2
Licenses to export reactors						1	1
Operators' licenses						3	24
Licenses to possess special nuclear materials						7	50
Licenses to possess source materials (excl. renewals)						1,763	1,523
Raw material producers						834	537
Source material processors						12	26
Domestic distributors						77	23
Domestic consumers						125	197
For export						715	740
Number of licensed byproduct (radioisotope) users ²	614	986	1,411	1,858	2,360	2,968	3,665
Medical institutions and physicians	206	307	445	627	844	1,149	1,532
Industrial firms	206	371	533	774	997	1,246	1,494
Colleges and universities	123	154	178	198	210	225	248
Federal and State laboratories	49	117	157	198	233	257	284
Foundations and institutions	29	34	43	47	53	57	63
Other	1	3	5	14	23	34	44
Value of radioisotopes distributed \$1,000	773	805	1,177	1,133	1,531	1,899	2,554
Byproduct (radioisotope) shipments ²	20,418	30,198	41,283	54,023	67,238	80,778	95,656
To domestic users	19,427	28,918	39,590	51,617	64,064	76,813	90,398
To foreign users	991	1,280	1,693	2,406	3,174	3,965	5,258
Access permits in effect						148	912
Agreements for foreign cooperation in force ²						22	32
Power agreements						3	4
Research agreements						19	28
Sales of heavy water ² tons	4.5	0.5	1.0			31.0	71.0
U. S. uranium concentrate receipts tons of U ₃ O ₈							
From domestic sources do							10,473
From foreign sources do							5,829
Estimated uranium ore reserves ² 1,000 tons							4,644
Domestic uranium ore milling, daily capacity ² tons							60,000
							8,960

¹ Represents those whose employment plus any first-tier subcontractor's employment total 50 or more; operating contractors comprise those engaged in production, research and development, maintenance, and service; excludes supply contractors.

² As of December 31.

³ Includes those under construction.

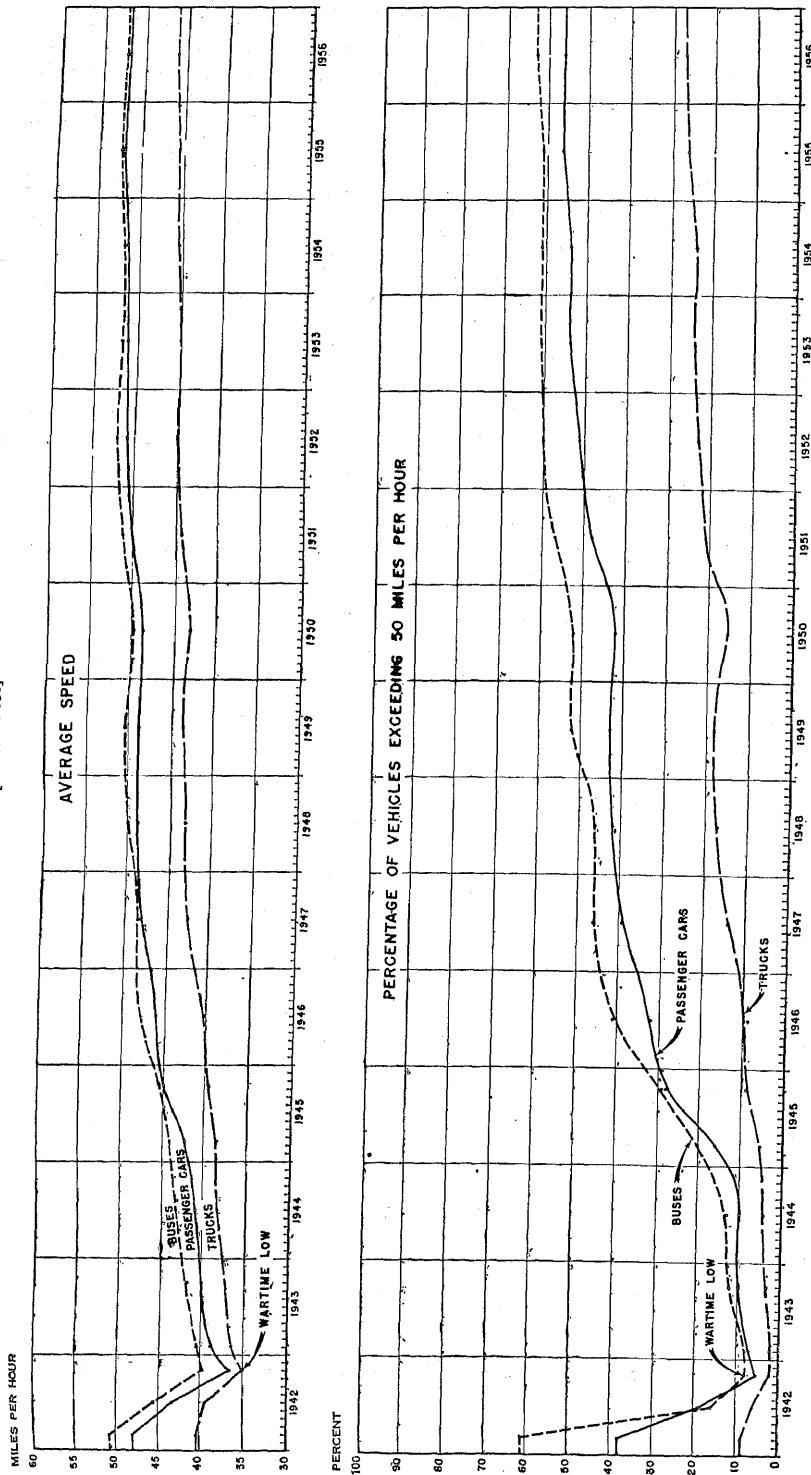
⁴ Under construction.

⁵ Applications to construct and operate are filed simultaneously; conversions from construction permits to licenses to operate are made upon satisfactory completion of construction.

⁶ Under construction prior to the Atomic Energy Act of 1954; consequently, excluded from construction permit figures but reported under licenses to operate.

Source: Atomic Energy Commission; semiannual reports and records.

FIG. XXXI.—SPEED OF MOTOR VEHICLES: 1942 to 1956
[See table 606]



Sources: Department of Commerce, Bureau of Public Roads.

Section 20

Roads and Motor Vehicles

This section presents statistics relating to the mileage, control, and financing of public roads and to motor-vehicle travel and usage. The Bureau of Public Roads of the Department of Commerce is the principal compiler of data concerning public roads and motor-vehicle registrations. Since 1945, it has published such data in its annual *Highway Statistics*. For statistics prior to 1945, the same Bureau's *Highway Statistics, Summary to 1945*, presents public roads data carried back over periods ranging from 20 to 50 years. The motor-vehicle registration figures which appear in *Highway Statistics* are compiled from reports and records of State highway departments.

The first road mileage survey was made in 1904. Data for 1904 and other road mileage surveys made in 1909, 1914, and 1921 appear in Department of Agriculture Bulletin 1279, *Rural Highway Mileage, Income, and Expenditures, 1921-22*.

Two useful handbooks of statistics in this field are issued annually by the Automobile Manufacturers Association of Detroit, Michigan. These are *Automobile Facts and Figures* and *Motor Truck Facts*. In addition, the Bureau of the Census compiles and publishes statistics on the motor vehicles and equipment industry which appear in the *Census of Manufactures* reports and in its *Annual Survey of Manufactures*. Data from these reports are also included in section 30, Manufactures, in this volume.

Rural and other roads.—The term "rural" as used here may be roughly defined as the area which lies outside of communities having 2,500 inhabitants or more. "Urban extensions" are continuations of designated State-system roads in or through cities or towns of 2,500 inhabitants or more. "County and other local roads" are rural roads over which the State exercises no direct control.

Highway systems.—The Federal-Aid Highway Act of 1916 provides for the sharing of highway construction costs between the States and the Federal Government with the initiative retained by each State for choosing projects and carrying them out. The planning and development of Federal-aid systems began in 1921. Federal funds share with State funds in costs of engineering, construction, and right-of-way acquisition on the designated systems while other charges, such as maintenance and policing, are borne entirely by the States and local agencies.

The Federal-aid primary system connects all of the principal cities, county seats, ports, manufacturing areas, and other traffic generating areas. In general, these are at the same time the main State trunkline roads. Certain sections of the primary system are more important than others from the viewpoint of national interest. Consequently, in 1944, the Congress authorized the creation of the national system of interstate highways, not to exceed 40,000 miles in length. In 1956 Congress extended the system to 41,000 miles and authorized for the first time a long-range program to complete the system. Federal funds of \$25 billion, providing 90 percent of the total estimated cost, are authorized for the fiscal years 1957 to 1969.

The Federal-Aid Highway Act of 1944 authorized the first specific funds for Federal-aid highways in urban areas, and established the Federal-aid secondary system, consisting of important feeder roads linking the farms, factories, distribution outlets, and smaller communities with the primary system.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series K 177-181") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

Note.—This section presents data for the most recent year or period available on April 29, 1957, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

ROADS AND MOTOR VEHICLES

No. 675.—EXISTING MILEAGE OF RURAL ROADS: 1921 TO 1955

[In thousands of miles. As of December 31. Rural roads comprise roads outside incorporated areas and certain of the more populous unincorporated areas. Figures cover continental U. S. See also *Historical Statistics*, series K 177-181]

Type and Control	1921	1925	1930	1935	1940	1945	1950	1952	1953	1954	1955
All rural roads	2,925	3,006	3,009	3,032	2,990	3,012	2,990	2,993	3,012	3,030	3,045
Primary State highways				332	320	330	363	371	377	379	387
Secondary State highways	203	275	324	58	81	84	88	93	87	80	91
County roads under State control				115	114	118	122	126	127	129	131
County and local roads ¹	2,722	2,731	2,685	2,527	2,406	2,471	2,417	2,403	2,421	2,433	2,436
Surfaced rural roads	387	521	694	1,063	1,340	1,495	1,679	1,782	1,855	1,906	1,942
Primary State highways				280	302	316	351	361	369	372	381
Secondary State highways	84	145	227	39	65	71	73	81	79	82	84
County roads under State control				38	55	63	88	94	98	100	103
County and local roads ¹	303	376	407	706	918	1,045	1,172	1,246	1,309	1,352	1,374
Nonsurfaced rural roads ²	2,538	2,485	2,315	1,969	1,650	1,517	1,311	1,211	1,157	1,124	1,103
Primary State highways				52	27	23	12	10	8	7	6
Secondary State highways	119	130	97	19	16	13	15	12	8	7	7
County roads under State control				77	59	55	39	32	29	29	28
County and local roads ¹²	2,419	2,355	2,218	1,821	1,648	1,426	1,245	1,157	1,112	1,081	1,062

¹ Includes mileage in national and State parks, forests, reservations, etc., not included as part of State or local systems. ² Includes mileage not classified by type of surface.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 676.—EXISTING RURAL AND MUNICIPAL MILEAGE, BY GOVERNMENTAL CONTROL: 1930 TO 1955

[In thousands. As of December 31]

GOVERNMENTAL CONTROL	1930	1935	1940	1945	1949	1950	1951	1952	1953	1954	1955
Total mileage				3,319	3,322	3,313	3,326	3,343	3,366	3,395	3,418
Rural mileage	3,009	3,032	2,990	3,012	3,003	2,990	2,987	2,993	3,013	3,030	3,045
Under State control	324	505	524	544	572	581	592	590	601	607	619
Under local control	2,685	2,527	2,466	2,398	2,361	2,336	2,321	2,318	2,322	2,331	2,333
Municipal mileage	(¹)	18	27	307	319	323	339	350	354	365	373
Under State control	(¹)	(¹)	(¹)	274	286	287	302	312	315	324	331
Under local control											

¹ Not available.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 677.—HIGHWAY CONSTRUCTION—CONTRACTS AWARDED, BY OWNERSHIP, SOURCE OF FUNDS, AND TYPE OF FACILITY: 1947 TO 1955

[In millions of dollars. Includes force-account work started on Federal and State projects]

OWNERSHIP, SOURCE OF FUNDS, AND TYPE OF FACILITY	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
All construction	1,108	1,436	1,448	1,816	1,743	2,088	2,713	2,746	2,993	3,303
Federally owned	25	28	47	36	71	90	53	62	59	62
State owned	892	1,145	1,150	1,492	1,362	1,654	2,287	2,300	2,560	2,718
Federally aided projects:										
Total value	635	740	643	798	780	912	998	1,218	1,256	1,737
Federal funds	329	386	332	415	409	476	519	630	667	963
Independent State projects:										
Total value	257	405	507	694	582	742	1,289	1,082	1,304	981
Toll facilities	(¹)	46	120	228	67	146	800	459	695	337
Locally owned ²	191	263	251	288	310	344	378	384	374	493

¹ Not available. ² By municipalities and counties.

Source: Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Business and Defense Services Administration; *Construction Review* (a joint publication).

No. 678.—EXISTING ROAD MILEAGE—MUNICIPAL MILEAGE, AND RURAL MILEAGE BY TYPE AND GOVERNMENTAL CONTROL, BY STATES: 1955

[As of December 31. Rural roads comprise roads outside incorporated areas and certain of the more populous unincorporated areas. Compiled for latest available year from reports of State authorities and planning survey data.]

STATE	Total rural and municipal	Muni- cipal	RURAL				
			Total	Type		Governmental control	
				Surfaced	Nonsur- faced	State ¹	Local
United States.....	3,418,214	372,949	3,045,265	1,942,413	1,102,852	619,607	2,332,776
Alabama.....	70,597	8,380	62,217	46,790	15,427	³ 13,626	48,591
Arizona.....	30,969	1,933	29,016	11,755	17,261	4,114	16,530
Arkansas.....	78,281	5,066	73,215	38,925	34,290	9,477	62,220
California.....	134,542	24,538	110,004	70,508	39,496	12,466	79,160
Colorado.....	75,930	4,851	71,079	27,201	43,878	7,632	62,260
Connecticut.....	15,620	4,930	10,630	10,430	260	2,661	8,029
Delaware.....	4,423	604	3,819	3,169	650	³ 3,819	-----
District of Columbia.....	1,225	1,225	-----	-----	-----	-----	-----
Florida.....	57,997	13,362	44,635	24,129	20,506	11,621	31,888
Georgia.....	95,471	12,436	83,035	33,950	49,055	13,033	69,380
Idaho.....	41,846	2,272	39,574	21,930	17,644	4,495	27,116
Illinois.....	123,197	20,751	102,446	91,345	11,101	10,477	⁴ 91,969
Indiana.....	98,662	12,442	86,220	77,961	8,259	9,812	76,408
Iowa.....	111,896	11,287	100,609	83,045	17,564	8,754	91,855
Kansas.....	133,079	8,281	124,798	62,534	62,264	9,532	115,264
Kentucky.....	63,102	3,401	59,701	39,997	10,704	17,620	41,817
Louisiana.....	46,931	6,891	40,040	27,633	12,407	³ 14,203	25,837
Maine.....	20,656	1,650	19,006	16,312	2,694	³ 10,805	8,110
Maryland.....	20,183	2,777	17,406	16,226	1,180	4,401	12,986
Massachusetts.....	25,106	9,213	15,893	14,960	933	1,899	13,904
Michigan.....	108,014	14,620	93,304	71,896	21,498	8,283	85,111
Minnesota.....	122,757	12,646	110,111	89,805	20,306	11,528	⁴ 97,156
Mississippi.....	67,300	4,238	63,002	44,391	18,671	9,155	52,878
Missouri.....	110,241	11,582	98,659	82,324	16,335	23,184	74,778
Montana.....	72,757	1,500	71,197	22,039	49,158	9,558	54,820
Nebraska.....	104,892	5,537	99,355	42,535	56,820	9,706	89,390
Nevada.....	31,482	637	30,845	7,200	23,645	5,894	24,951
New Hampshire.....	13,710	1,302	12,408	9,416	2,902	3,701	8,501
New Jersey.....	29,064	11,744	17,320	13,984	3,336	1,996	15,324
New Mexico.....	62,836	2,197	60,639	11,352	49,287	10,940	45,062
New York.....	101,293	17,761	86,532	71,169	15,363	13,104	73,400
North Carolina.....	77,360	9,025	68,335	55,634	12,701	³ 67,067	1,268
North Dakota.....	119,457	2,412	117,045	36,500	80,545	6,264	110,340
Ohio.....	90,445	16,379	83,066	80,914	2,152	16,163	66,903
Oklahoma.....	99,789	7,327	92,462	40,118	52,344	10,185	81,948
Oregon.....	62,513	4,937	57,576	34,431	23,145	7,971	31,892
Pennsylvania.....	105,974	17,861	88,113	61,656	26,457	41,889	45,916
Rhode Island.....	4,150	2,350	1,800	1,675	125	700	1,100
South Carolina.....	53,377	4,451	48,926	24,835	21,091	22,733	26,193
South Dakota.....	91,847	2,501	89,286	40,892	48,304	6,550	81,621
Tennessee.....	70,044	5,038	65,006	59,939	5,067	8,006	56,320
Texas.....	227,051	20,907	197,144	103,345	93,709	47,241	149,903
Utah.....	31,428	3,077	27,751	13,040	14,711	4,853	16,891
Vermont.....	13,803	828	12,975	10,360	2,615	1,921	⁴ 11,031
Virginia.....	55,215	5,405	49,750	47,475	2,275	³ 48,062	585
Washington.....	50,036	6,629	52,407	37,601	14,806	6,004	39,336
West Virginia.....	36,053	2,879	33,074	20,070	13,004	² 30,854	1,708
Wisconsin.....	96,607	10,066	86,541	78,570	7,971	10,082	76,190
Wyoming.....	38,006	923	37,083	10,417	26,666	4,876	30,010

¹ Includes 10,267 miles of State park, forest, institutional, and other roads, rural and municipal, that are not part of State or local highway systems. Also includes 1,833 miles of toll roads.

² Comprises mileage of roads not forming a part of State or local highway systems.

³ Includes mileage of county roads under State control in Alabama (6 counties), Delaware, North Carolina, Virginia (all but 2 counties), and West Virginia; 6,508 miles designated as farm-to-market system in Louisiana; and the State-aid system in Maine.

⁴ Includes mileage of local roads designated as State aid in Illinois, 18,328 miles; Minnesota, 16,071 miles; and Vermont, 2,498 miles.

No. 679.—MILEAGE AND COST OF FEDERAL-AID HIGHWAY SYSTEMS: 1917 TO 1956
 [See also *Historical Statistics*, series K 189-191b]

YEAR	MILES OF HIGHWAY		COST (\$1,000) ^a		
	Total existent ¹	Completed during year ²	Total	Federal funds	State funds
1917-1921		12,919	221,740	95,054	126,686
1925	178,797	11,001	220,921	100,030	120,891
1930	193,049	10,339	236,520	99,839	136,681
1935	214,000	12,811	242,420	218,112	24,307
1940	234,112	11,549	269,216	149,724	119,492
1945	232,772	3,035	101,037	76,485	24,552
1947	583,106	15,473	421,517	223,542	197,975
1948	609,509	21,725	702,989	397,462	365,542
1949	626,393	19,875	829,300	425,468	403,834
1950	640,763	19,876	753,199	389,578	363,621
1951	651,826	17,060	771,708	389,564	382,144
1952	673,137	22,147	977,548	505,444	472,104
1953	694,677	21,136	1,077,733	558,913	518,820
1954	717,379	20,548	1,146,419	591,202	555,217
1955	741,824	22,571	1,287,364	665,913	621,451
1956	755,278	23,609	1,444,058	756,926	687,132

¹ Total existing mileage of Federal-aid primary system through 1945; beginning 1946 includes secondary system.
 Data as of June 30. ² Comprises construction and reconstruction mileage.

³ Represents actual expenditures of funds on calendar-year basis. Beginning 1935, includes money spent on public works and defense highways. Beginning 1940, includes secondary highways.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*, and *Annual Report*, 1956.

No. 680.—MILEAGE OF FEDERAL-AID HIGHWAY SYSTEMS, BY STATES AND OTHER AREAS: 1956

[In miles. As of June 30. For explanation, see text, p. 541]

STATE OR OTHER AREA	PRIMARY HIGH-WAY SYSTEM		STATE OR OTHER AREA	PRIMARY HIGH-WAY SYSTEM		Second- ary highway system
	Total miles	National system of interstate highways ¹		Total miles	National system of interstate highways ¹	
Total	234,907	39,990	520,371			
Alabama	5,260	947	14,930	Nebraska	5,230	503
Arizona	2,627	1,187	3,697	Nevada	2,197	540
Arkansas	3,509	547	13,636	New Hampshire	1,200	214
California	7,081	2,159	10,253	New Jersey	1,738	354
Colorado	4,040	678	3,802	New Mexico	3,920	1,013
Connecticut	1,103	278	1,142	New York	10,761	5,233
Delaware	535	42	1,421	North Carolina	6,964	714
District of Columbia	128	28	80	North Dakota	3,236	517
Florida	4,336	1,173	10,715	Ohio	7,624	1,353
Georgia	7,004	1,171	13,041	Oklahoma	7,400	835
Idaho	3,106	650	4,518	Oregon	3,916	757
Illinois	10,531	1,662	10,784	Pennsylvania	7,110	1,478
Indiana	4,790	1,112	15,822	Rhode Island	470	68
Iowa	9,721	736	33,114	South Carolina	4,781	769
Kansas	7,601	771	22,527	South Dakota	4,504	531
Kentucky	3,866	668	15,203	Tennessee	5,240	1,093
Louisiana	2,722	657	5,815	Texas	16,103	2,912
Maine	1,618	313	2,271	Utah	2,189	716
Maryland	1,998	355	5,078	Vermont	1,250	344
Massachusetts	2,072	415	2,197	Virginia	4,660	1,008
Michigan	6,621	1,098	21,401	Washington	3,631	632
Minnesota	7,714	935	19,622	West Virginia	2,386	226
Mississippi	5,104	601	9,492	Wisconsin	5,997	482
Missouri	8,249	1,159	18,896	Wyoming	3,432	1,019
Montana	5,943	1,239	4,310	Hawaii	525	-----
				Puerto Rico	555	614
						1,057

¹ Present traveled way.

Source: Department of Commerce, Bureau of Public Roads; *Annual Report*, 1956.

NO. 681.—FEDERAL-AID HIGHWAY PROJECTS, BY STATES AND OTHER AREAS: 1956

[Money figures in thousands of dollars. As of June 30. Comprises projects financed from Federal-aid primary, secondary, urban, and interstate; prewar Federal-aid primary, secondary, and grade-crossing; Defense Highway Act; and 1950 access funds]

STATE OR OTHER AREA	COMPLETED DURING FISCAL YEAR			UNDER CONSTRUCTION			PLANS APPROVED—NOT UNDER CONSTRUCTION			Federal-aid funds available for future projects
	Total cost	Federal funds	Miles	Total cost	Federal funds	Miles	Total cost	Federal funds	Miles	
Total	1,266,673	653,360	22,919	2,135,445	1,112,183	21,941	409,137	218,059	3,402	1,491,708
Cont. U. S.	1,255,168	647,992	22,883	2,112,712	1,101,486	21,876	401,598	214,380	3,395	1,478,728
N. E.	54,744	26,481	227	111,081	55,914	376	20,336	10,958	36	105,965
Maine	12,229	6,108	104	15,979	8,469	107	1,468	812	9	11,643
N. H.	4,871	2,377	28	10,073	5,157	62	556	304	2	11,970
Vt.	4,001	1,978	36	10,693	5,514	94	1,310	654	7	10,537
Mass.	23,688	11,094	24	42,511	20,506	64	13,378	7,252	9	33,060
R. I.	7,599	3,780	32	18,964	9,795	28	1,609	810	1	8,218
Conn.	2,356	1,134	2	12,862	6,472	20	2,015	1,125	8	30,536
M. A.	167,466	79,290	380	398,678	192,666	755	85,412	44,704	161	214,755
N. Y.	93,866	43,796	226	235,341	111,506	328	56,130	30,505	97	103,102
N. J.	18,998	8,861	55	35,351	17,088	46	6,972	3,064	17	39,937
Pa.	54,601	26,633	99	127,986	64,072	381	22,311	11,135	47	71,717
E. N. C.	218,313	110,644	2,271	358,509	186,208	2,058	71,908	37,065	438	251,210
Ohio	42,607	20,885	133	91,086	45,561	146	9,642	4,850	52	61,392
Ind.	29,695	14,975	153	47,988	26,202	206	15,951	8,185	170	48,451
Ill.	66,455	34,891	699	101,527	54,716	625	17,862	9,003	84	61,677
Mich.	49,231	24,432	758	65,158	33,772	525	20,870	11,049	97	45,648
Wis.	30,325	15,461	520	52,751	25,956	536	7,582	3,980	36	34,042
W. N. C.	198,936	103,875	8,357	252,055	133,686	7,147	51,400	27,574	1,286	176,777
Minn.	33,310	17,166	1,900	47,656	25,551	1,530	7,182	3,799	63	29,901
Iowa	32,685	17,524	1,193	31,019	16,680	896	4,959	2,773	78	27,754
Mo.	51,010	26,571	1,352	78,428	40,941	1,470	6,553	3,490	13	35,681
N. Dak.	14,176	7,053	1,163	13,385	6,819	720	10,641	5,566	16,135	
S. Dak.	10,307	5,865	674	18,176	10,365	675	7,892	4,567	213	13,456
Nebr.	25,681	13,670	590	34,878	18,536	1,037	4,803	2,588	94	28,030
Kans.	31,707	16,025	1,486	28,512	14,794	818	9,371	4,841	161	24,921
S. A.	154,527	77,475	2,323	255,536	128,915	3,027	67,874	34,417	407	211,178
Del.	7,047	3,861	43	5,685	2,847	49	1,188	611	14	10,746
Md.	4,140	2,196	96	24,403	12,742	155	16,627	7,712	24	17,009
Dist. of Col.	11,065	5,170	8	7,604	3,785	1	2,564	1,265	1	8,228
Va.	21,658	10,934	388	34,271	17,645	362	8,298	4,346	103	31,027
W. Va.	9,395	4,727	77	21,216	8,901	57	7,048	3,628	21	24,928
N. C.	34,037	16,753	539	58,999	29,212	794	3,153	1,688	77	35,069
S. C.	15,263	8,110	287	21,614	11,186	488	1,976	1,240	11	22,012
Ga.	26,854	13,129	539	48,128	23,057	779	13,240	6,826	110	37,181
Fla.	25,069	12,594	349	37,615	19,539	342	13,779	7,101	45	24,979
E. S. C.	106,931	53,905	2,705	164,238	83,347	2,594	20,271	10,884	181	121,917
Ky.	21,940	11,281	395	42,184	22,517	1,727	870	4	32,357	
Tenn.	22,414	10,768	701	49,861	23,089	557	7,677	3,841	20	37,103
Ala.	30,756	20,274	927	46,642	24,769	653	5,790	3,283	42	26,442
Miss.	22,822	11,582	681	25,551	12,973	771	5,078	2,889	115	26,015
W. S. C.	140,005	71,997	3,202	229,605	118,495	2,933	42,532	23,450	366	148,329
Ark.	15,743	7,858	537	22,773	11,766	480	5,122	2,632	47	23,973
La.	21,194	10,663	333	42,397	20,772	372	6,226	4,242	12	21,594
Oklahoma	21,396	11,425	455	41,028	21,214	392	13,874	7,153	183	29,114
Tex.	81,673	42,052	1,878	123,406	64,742	1,688	17,310	9,423	124	73,648
Mt.	115,916	74,269	2,468	135,260	90,146	2,188	21,603	14,766	397	143,246
Mont.	19,623	12,107	543	30,045	18,671	542	4,301	2,611	54	26,636
Idaho	14,226	8,741	283	13,948	9,043	205	2,860	1,892	73	16,652
Wyo.	9,322	5,940	231	18,006	11,853	347	3,152	2,081	86	12,232
Colo.	22,192	11,782	297	21,887	12,028	246	2,349	1,881	30	27,597
N. Mex.	20,621	13,257	424	12,535	8,088	181	4,399	2,865	63	17,042
Ariz.	13,455	9,703	302	12,604	9,677	198	2,356	1,724	34	14,328
Utah	9,347	7,034	250	15,142	11,423	266	1,479	1,120	32	11,546
Nev.	7,228	5,853	139	11,094	9,363	203	708	591	25	17,212
Pac.	98,329	50,056	950	207,749	112,110	802	20,262	10,563	123	105,350
Wash.	20,398	11,039	295	27,542	14,957	260	9,667	5,154	107	20,714
Oreg.	11,792	7,144	232	29,142	17,919	279	848	507	6	17,296
Calif.	66,140	31,873	422	151,065	79,234	263	9,747	4,902	10	67,340
Alaska				10	10					1,933
Hawaii	5,449	2,431	13	3,972	2,001	4	4,101	1,981	4	3,623
P. R.	6,056	2,937	23	18,751	8,687	60	3,438	1,698	4	7,425

Source: Department of Commerce, Bureau of Public Roads; *Annual Report, 1956*.

No. 682.—HIGHWAY AND STREET RECEIPTS AND DISBURSEMENTS: 1925 TO 1955

[In millions of dollars. Federal and State data are for calendar years; local data for varying fiscal years]

SOURCE AND PURPOSE	1925	1930	1935	1940	1945	1950	1954	1955 (prel.)
SOURCE OF RECEIPTS								
Total receipts								
Federal funds	1,696	2,486	2,025	2,634	1,918	4,557	8,179	7,221
Highway-user imposts	103	112	520	773	83	471	675	784
Toll receipts	(1)	(1)	(1)	(1)	1,098	2,295	3,202	3,636
Property taxes and general revenues	(1)	(1)	(1)	(1)	59	115	224	269
Miscellaneous	(1)	(1)	(1)	(1)	584	920	1,191	1,269
Bond issue proceeds	(1)	(1)	(1)	(1)	45	106	135	180
Federal Government funds	103	112	520	773	83	471	675	784
Expended under Bureau of Public Roads	92	94	213	160	68	435	615	725
Other Federal funds	11	18	307	604	15	36	60	59
State governments	578	1,059	905	1,234	1,199	2,810	5,800	4,582
Highway-user imposts	384	810	761	1,076	1,086	2,270	3,238	3,578
Toll receipts	12	17	31	40	72	167	209	209
Property taxes and general revenues	56	43	8	7	48	44	54	84
Miscellaneous	15	14	8	11	14	24	24	65
Bonds issue proceeds ²	123	180	111	100	11	400	2,317	646
Counties and other local rural units	437	528	265	280	289	549	677	732
Highway-user imposts	(1)	(1)	1	—	1	2	4	5
Toll receipts	(1)	(1)	—	2	5	12	14	15
Property taxes and general revenues	(1)	(1)	253	267	253	416	526	545
Miscellaneous	(1)	(1)	11	10	12	30	39	40
Bond issue proceeds ²	(1)	(1)	—	—	18	89	94	127
Urban places	578	787	335	347	347	727	1,027	1,123
Highway-user imposts	(1)	(1)	(1)	(1)	11	23	50	53
Toll receipts	(1)	(1)	(1)	(1)	14	31	43	45
Property taxes and general revenues	(1)	(1)	(1)	(1)	283	460	611	640
Miscellaneous	(1)	(1)	(1)	(1)	19	52	72	75
Bond issue proceeds ²	(1)	(1)	(1)	(1)	20	161	251	310
PURPOSE OF DISBURSEMENT								
Total disbursements								
Capital outlay	1,761	2,583	1,841	2,496	1,677	4,438	6,911	7,294
Maintenance	1,036	1,521	941	1,457	368	2,288	4,066	4,306
Administration	463	675	534	612	795	1,417	1,796	1,857
Highway police	115	109	84	65	97	211	302	301
Interest	1	4	12	27	28	78	122	132
Obligations retired	134	227	213	190	131	129	225	268
Federal expenditures not classified by system ³	10	17	64	30	14	46	55	78
State highways ⁴	625	1,066	821	1,134	753	2,451	4,251	4,489
Capital outlay	404	729	450	636	214	1,555	2,995	3,130
Maintenance	119	194	189	224	290	505	654	683
Administration ⁵	61	39	37	54	58	111	165	158
Highway police	1	4	12	27	28	78	122	132
Interest	28	53	76	78	57	60	148	187
Obligations retired ⁶	12	47	57	115	106	142	167	190
County and local rural roads	544	701	495	765	522	1,043	1,389	1,456
Capital outlay	265	297	204	447	82	331	540	580
Maintenance	197	284	199	249	311	502	683	703
Administration ⁵	30	37	23	18	20	46	61	64
Interest	52	83	69	51	35	27	28	29
Obligations retired ⁶	—	—	—	—	74	77	77	80
Urban streets	582	799	461	567	388	898	1,216	1,271
Capital outlay	357	478	223	344	58	356	476	509
Maintenance	147	197	146	139	194	350	459	471
Administration ⁵	24	33	24	23	19	54	76	79
Interest	54	91	68	61	39	42	49	52
Obligations retired ⁶	—	—	—	—	78	97	156	160

¹ Not available separately. ² Excludes refunding issues.³ Comprises funds of other agencies expended directly by Public Roads as well as funds expended by those agencies. Expenditures were principally for capital outlay and are included as such in totals.⁴ Includes expenditures by States on transcity connections of State highways.⁵ Includes engineering and equipment costs not charged to capital outlay and maintenance, and miscellaneous expenditures.⁶ Excludes redemptions by refunding.Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 683.—PUBLIC HIGHWAY DEBT—LONG-TERM HIGHWAY OBLIGATIONS OF STATE AND LOCAL GOVERNMENTS ISSUED, REDEEMED, AND OUTSTANDING: 1945 TO 1956

[In millions of dollars. State data are for calendar year; local data are for varying fiscal years. Detail may not add to total because total excludes duplicated and interunit obligations]

ITEM	1945	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956 (prel.)
Total debt issued ¹	49	308	476	533	655	792	1,104	1,328	2,659	1,083	1,418
State obligations	11	80	270	254	400	535	797	1,038	2,317	646	1,068
County and local rural obligations	22	107	83	98	90	79	100	106	94	127	75
Urban obligations	20	122	123	181	167	179	208	185	248	310	275
Total debt redeemed ²	258	258	266	261	316	349	339	347	401	431	412
State obligations	115	115	117	106	143	156	157	148	168	191	165
County and local rural obligations	87	78	79	81	82	82	83	85	77	80	82
Urban obligations	78	75	78	84	97	117	104	119	156	160	165
Total debt outstanding	3,640	3,589	3,797	4,077	4,435	4,866	5,596	6,584	8,929	9,581	10,586
State obligations	1,638	1,537	1,690	1,888	2,096	2,476	3,116	4,015	6,164	6,619	7,521
County and local rural obligations	869	866	870	888	872	868	893	914	934	981	974
Urban obligations	1,218	1,254	1,298	1,402	1,468	1,564	1,625	1,689	1,831	1,981	2,091

¹ Excludes refunding issues.

² Excludes redemptions by refunding.

Source: Department of Commerce, Bureau of Public Roads; releases.

No. 684.—STATE-HIGHWAY SYSTEMS—EXISTING MILEAGE, MILEAGE BUILT, FUNDS AVAILABLE, AND DISBURSEMENTS: 1930 TO 1956

[Figures cover continental U. S. and refer to calendar years for most States. See also *Historical Statistics*, series K 184-188, for data on total mileage built by State highway departments]

ITEM	1930	1940	1945	1950	1954	1955
Total mileage at end of year	1 324,498	551,766	573,234	608,468	647,663	661,519
Primary State-highway systems	1 324,498	329,472	338,310	363,213	379,063	386,611
Nonsurfaced roads	1 97,726	26,991	22,873	12,007	6,908	6,308
Surfaced roads	1 226,772	302,481	315,437	351,206	372,155	380,308
Low type ²	1 142,659	180,091	182,786	168,554	168,764	169,458
High type ²	1 84,113	122,390	132,651	182,652	203,391	210,850
Secondary roads	(3)	195,245	202,356	209,339	218,022	222,729
Municipal extensions of State-highway systems ⁴	(3)	27,049	32,508	35,916	40,871	41,912
Other State roads ⁵					9,707	10,267
Total mileage built during year by State-highway departments	0 35,277	32,594	15,278	55,487	55,488	53,559
Graded and drained	6 7,813	2,207	283	3,364	2,448	1,545
Surfaced	6 27,464	30,387	14,995	52,123	53,040	52,014
State controlled	35,277	29,695	14,827	44,265	42,063	41,120
Graded and drained	7,813	1,423	250	1,784	866	694
High-type surface ²	10,787	5,223	3,971	13,370	19,730	17,672
Low-type surface ²	16,677	23,049	10,606	29,102	21,457	22,754
State-highway funds available ^{7,8}	\$1,000	1,423,164	2,037,606	2,242,572	5,068,196	9,429,047
Disbursements of State-highway funds ⁷	do	1,330,545	1,678,009	1,290,381	3,561,513	5,720,432
					6,033,880	

¹ Includes secondary State systems and some municipal street mileage in State systems. Not comparable with subsequent years, since county road mileage had not yet been taken over by State highway departments.

² Through 1945, low type was distinguished from high type by quality of surfacing material used; for 1950 also by rigidity of base; and for 1954, combined thickness of surface and base was an added consideration.

³ Not available.

⁴ Beginning 1940, includes connecting streets not under State control. Beginning 1950, excludes streets of this type in Kentucky, Maryland, Mississippi, and District of Columbia. May include the municipal portion of a State route entering a city or town.

⁵ Mileage of State park, forest, institutional, toll, and other roads under State control.

⁶ Represents State-controlled only.

⁷ Includes funds transferred to or from local units and proceeds of highway-user imposts allotted by the State treasurer for county and other local roads and streets, and nonhighway purposes. See also tables 685 and 686.

⁸ Includes accumulated reserves.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 685.—DISBURSEMENTS OF STATE HIGHWAY FUNDS, BY STATES: 1921 TO 1955

[In thousands of dollars. Comprises disbursements, whether from current revenues or proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous disbursements. Includes transactions by State toll authorities. Beginning 1935 covers calendar years; figures for earlier years for many States represent fiscal years]

DIVISION AND STATE	Year in which first State-aid law passed	1921	1930	1935	1940	1945	1950	1953	1954	1955
United States		444,413	1,330,545	1,257,838	1,678,009	1,299,381	3,561,513	4,884,672	5,720,432	6,038,880
New England		26,986	79,724	84,533	98,625	64,034	197,732	284,621	338,505	424,897
Maine	1901	7,379	17,669	11,918	13,550	10,169	24,380	66,705	58,105	65,253
New Hampshire	1903	2,446	9,815	6,412	8,386	6,935	13,523	19,590	25,450	29,914
Vermont	1898	1,001	9,013	6,040	8,365	3,975	9,054	15,655	16,425	16,852
Massachusetts	1892	7,864	23,590	38,295	37,685	21,428	97,931	114,536	163,498	203,167
Rhode Island	1902	2,298	3,633	3,972	8,011	6,380	14,249	18,848	18,797	30,258
Connecticut	1895	5,998	16,004	17,896	22,678	15,177	37,095	49,887	56,221	79,443
Middle Atlantic		104,917	261,664	274,840	384,572	230,853	771,149	1,065,151	1,287,755	1,124,988
New York	1898	39,427	108,692	176,992	198,960	112,694	303,634	521,669	636,371	471,885
New Jersey	1891	15,848	48,811	35,021	37,509	43,980	188,354	251,338	301,841	303,450
Pennsylvania	1903	49,642	104,161	62,827	128,103	74,179	279,161	292,144	349,548	350,153
E. N. Central		77,340	223,344	242,738	312,905	242,329	502,737	839,957	1,042,240	1,169,868
Ohio	1904	19,489	68,209	63,057	98,408	76,257	147,327	249,419	380,579	382,688
Indiana	1917	8,251	21,717	32,743	40,461	34,985	69,178	99,683	123,775	200,265
Illinois	1905	15,720	53,304	64,967	70,536	58,188	112,503	196,272	227,154	228,551
Michigan	1905	20,359	47,591	47,695	67,403	50,159	105,687	193,948	218,955	249,379
Wisconsin	1911	13,521	26,933	33,676	41,102	27,740	68,042	100,635	91,777	103,925
W. N. Central		50,490	187,280	132,318	148,681	109,097	324,919	424,133	446,839	546,367
Minnesota	1905	7,480	39,396	26,532	31,275	22,807	65,243	88,065	86,595	101,105
Iowa	1904	18,778	56,561	27,177	32,517	22,633	79,225	86,488	93,687	108,699
Missouri	1907	4,727	44,476	28,366	27,553	20,554	52,042	86,085	92,147	105,473
North Dakota	1909	1,511	5,523	5,069	7,355	6,105	21,636	25,316	23,558	27,547
South Dakota	1911	5,450	8,202	9,229	9,236	5,644	20,236	33,173	33,140	34,152
Nebraska	1911	5,544	16,056	16,230	20,117	15,892	36,077	37,893	48,236	50,433
Kansas	1911	6,991	17,016	18,815	20,628	15,552	49,560	66,513	69,476	109,955
South Atlantic		52,826	163,592	156,837	232,740	194,163	602,672	692,298	845,860	823,034
Delaware	1903	3,765	8,492	3,666	4,379	3,340	32,014	21,086	26,133	25,539
Maryland	1898	8,326	20,420	15,356	27,243	19,422	83,879	84,562	148,652	138,199
Dist. of Col.	1938	210	2,236	3,650	6,558	4,362	10,979	18,840	21,294	24,077
Virginia	1906	7,164	22,603	20,764	28,277	29,487	76,041	101,293	116,733	112,323
West Virginia	1909	1,877	23,518	20,480	25,835	26,878	50,928	103,313	111,948	145,159
North Carolina	1901	15,100	25,622	29,193	39,799	29,120	135,859	133,202	130,905	140,603
South Carolina	1917	4,095	22,938	14,327	22,804	21,609	45,988	56,723	59,198	56,776
Georgia	1908	9,966	17,380	22,447	38,803	24,214	73,547	73,101	87,588	108,933
Florida	1915	2,323	20,373	20,054	39,012	35,781	93,437	105,178	143,200	152,434
E. S. Central		17,705	107,250	74,189	118,474	99,980	236,649	297,041	343,276	371,316
Kentucky	1912	5,784	20,387	19,859	25,716	19,603	67,361	76,416	84,421	101,562
Tennessee	1915	7,054	55,790	21,239	34,031	31,705	78,615	80,652	99,406	107,957
Alabama	1911	1,265	19,813	18,420	27,728	25,813	48,807	74,869	86,969	86,926
Mississippi	1915	3,602	11,260	14,671	31,004	22,859	41,866	65,104	72,480	74,874
W. S. Central		39,663	161,527	120,604	151,120	128,398	367,157	459,438	475,981	565,124
Arkansas	1913	8,205	39,959	17,145	18,278	15,112	45,995	46,577	53,235	55,198
Louisiana	1910	5,347	20,570	21,100	29,662	21,702	70,616	78,330	90,132	115,412
Oklahoma	1911	7,395	27,476	20,780	23,506	24,222	72,755	102,464	86,677	112,715
Texas	1917	18,716	64,522	61,579	79,674	67,362	177,811	232,058	245,937	281,802
Mountain		30,021	55,720	59,721	73,634	49,616	162,558	213,384	242,541	244,175
Montana	1913	4,190	7,974	9,015	11,741	6,682	21,567	22,333	36,283	29,554
Idaho	1905	5,494	8,464	7,791	8,039	5,674	18,676	24,310	33,071	26,716
Wyoming	1911	3,701	3,952	5,719	6,272	3,318	14,103	18,662	19,757	22,045
Colorado	1909	4,892	11,043	11,726	14,694	11,671	37,785	49,242	50,725	55,638
New Mexico	1909	3,718	10,028	8,110	13,428	8,088	26,141	31,889	37,173	39,030
Arizona	1909	3,036	6,220	6,687	8,864	6,056	19,691	30,566	31,012	33,465
Utah	1909	3,399	5,315	6,058	6,342	6,222	15,099	24,101	21,275	23,009
Nevada	1911	1,591	2,724	4,620	4,254	1,905	9,496	12,281	13,245	14,734
Pacific		44,465	90,494	112,058	157,258	180,911	395,940	608,649	697,435	764,181
Washington	1905	10,340	16,081	20,639	39,025	28,602	77,524	108,406	116,163	126,832
Oregon	1913	18,930	18,554	17,436	18,385	14,234	49,923	78,608	84,722	79,388
California	1895	15,195	55,859	73,983	98,948	138,075	268,493	421,635	496,550	557,961

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 686.—STATE HIGHWAY FUNDS AVAILABLE, BY SOURCE AND DISBURSEMENTS, BY PURPOSE, BY STATES: 1955

[In thousands of dollars. Comprises receipts and disbursements of all State imposts on highway users, all other funds available to State highway departments, and State funds other than those of highway department which were reported as being applied to highway purposes. Includes transactions of interstate and intrastate toll authorities that are operated by State or quasi-State agencies. See also *Historical Statistics*, series K 193-203.]

DIVISION AND STATE	FUNDS AVAILABLE					Total ²	DISBURSEMENTS			For county and local roads and streets ³	
	Total	Motor-vehicle fees, motor fuel and motor carrier taxes	Fed-eral funds	Income from issue of bonds, notes, etc.	All other sources ⁴		For State-administered highways ³				
		Capital outlay, roads and bridges ⁴	Mainte-nance ⁴	Other ⁵							
United States	9,547,184	4,014,449	670,259	658,168	4,204,308	6,033,880	3,102,994	675,629	686,738	1,130,444	
New England	732,275	194,716	27,061	45,284	465,214	424,887	255,728	56,507	63,110	34,577	
Maine	90,150	26,005	5,118	—	59,036	65,253	42,319	10,920	8,035	3,115	
New Hampshire	26,462	13,136	3,403	2,104	—	7,729	29,914	16,181	6,178	5,339	
Vermont	15,276	11,729	2,689	—	—	585	16,852	5,906	4,191	1,327	
Massachusetts	399,224	79,706	9,254	40,113	270,151	203,167	131,975	19,732	34,980	11,380	
Rhode Island	33,133	15,136	3,404	3,067	11,436	30,258	12,944	3,296	2,926	6,025	
Connecticut	168,021	49,004	3,013	—	116,004	79,443	46,403	12,190	10,503	7,036	
Middle Atlantic	2,148,099	603,947	80,016	118,645	1,345,491	1,124,988	675,029	114,052	160,406	98,344	
New York	929,806	200,464	45,160	78,435	545,738	471,385	293,948	51,681	64,802	46,126	
New Jersey	536,466	131,705	6,380	40,210	358,171	303,450	169,175	19,939	36,859	21,235	
Pennsylvania	681,827	211,778	28,467	—	441,582	350,153	211,908	42,432	58,708	30,983	
E. N. Central	1,707,105	779,757	109,246	57,136	760,966	1,169,908	589,135	96,056	85,840	362,159	
Ohio	516,578	221,433	20,427	52,109	222,609	382,688	214,550	28,922	35,632	105,367	
Indiana	367,425	91,792	14,180	—	261,444	200,265	126,788	11,405	16,491	40,491	
Illinois	313,554	201,320	35,140	—	77,094	228,551	93,027	20,108	19,228	87,868	
Michigan	367,850	177,226	24,881	5,027	160,716	249,379	107,452	23,652	20,323	91,723	
Wisconsin	141,698	87,986	14,600	—	39,103	108,025	47,318	11,879	4,285	36,740	
W. N. Central	805,224	367,059	102,999	200	334,966	546,367	290,642	70,998	34,706	135,631	
Minnesota	157,903	78,602	17,501	—	61,800	101,105	53,130	15,175	2,764	26,159	
Iowa	188,192	87,445	17,180	—	33,561	108,698	40,857	9,710	3,343	52,447	
Missouri	132,521	71,066	19,858	200	41,397	105,473	71,483	18,103	11,480	2,057	
North Dakota	36,197	16,622	8,223	—	11,352	27,647	14,754	3,191	1,355	7,573	
South Dakota	37,231	19,738	8,294	—	9,199	34,152	18,098	5,058	1,485	9,155	
Nebraska	64,423	41,468	14,264	—	8,601	59,433	25,121	7,615	2,826	22,645	
Kansas	238,757	52,118	17,673	—	168,966	109,958	67,199	12,146	11,452	15,595	
South Atlantic	1,460,280	589,648	82,145	235,764	552,723	823,034	392,438	128,953	122,617	97,713	
Delaware	41,346	9,949	3,560	3,584	24,253	25,539	8,686	3,082	11,554	1	
Maryland	303,656	70,419	5,268	41,611	186,358	138,190	77,293	7,264	21,639	29,986	
Dist. of Columbia	34,831	22,090	2,906	—	9,855	24,077	—	—	—	16,402	
Virginia	254,788	82,624	12,112	68,328	91,724	112,323	57,252	32,651	16,722	2,008	
West Virginia	86,813	41,930	6,010	2,001	36,872	64,159	30,250	16,185	16,710	—	
North Carolina	207,892	110,609	16,921	—	80,382	140,603	68,300	36,150	23,495	5,986	
South Carolina	83,887	51,097	8,134	1,977	22,679	56,776	23,757	11,570	13,019	5,928	
Georgia	162,557	73,825	14,533	14,555	50,644	103,933	52,259	9,587	6,964	22,819	
Florida	284,480	127,105	12,701	103,708	40,966	152,424	74,632	12,474	12,514	13,983	
E. S. Central	477,581	272,004	50,059	20,215	135,303	371,316	149,000	39,672	49,788	120,197	
Kentucky	129,124	68,537	11,010	—	49,577	101,562	67,655	15,451	9,102	6,945	
Tennessee	131,511	90,808	11,455	—	29,248	107,957	20,378	8,184	24,804	39,054	
Alabama	115,314	65,063	15,922	15,023	19,306	86,923	24,319	10,888	7,771	13,134	
Mississippi	101,632	47,590	11,672	5,192	37,172	74,874	27,650	5,154	9,111	31,064	
W. S. Central	934,920	416,902	87,002	123,739	307,277	565,124	272,172	78,579	60,071	84,287	
Arkansas	83,544	43,794	9,711	—	30,039	55,195	21,736	10,182	12,739	8,608	
Louisiana	271,580	61,935	10,915	—	198,730	115,412	61,541	15,516	21,909	13,448	
Oklahoma	180,824	80,320	11,306	65,964	23,234	112,715	42,567	11,118	8,888	31,492	
Texas	308,972	230,853	55,070	57,775	55,274	281,802	146,328	41,763	16,586	30,739	
Mountain	288,040	180,085	68,814	—	39,141	244,175	131,429	37,093	22,134	43,388	
Montana	36,732	23,421	8,410	—	4,901	29,554	17,431	4,997	3,173	3,174	
Idaho	28,794	19,544	7,775	—	1,475	26,716	12,067	4,270	1,942	8,042	
Wyoming	30,920	12,632	10,318	—	7,970	22,045	13,478	3,251	703	4,121	
Colorado	61,743	44,210	10,120	—	7,413	55,633	25,956	7,297	6,054	13,106	
New Mexico	43,087	27,485	9,832	—	5,770	39,030	23,004	5,660	4,744	3,127	
Arizona	40,440	25,213	8,709	—	6,518	33,463	16,675	4,304	2,789	8,290	
Utah	28,001	18,040	7,153	—	2,808	23,000	13,201	4,719	1,266	2,814	
Nevada	18,323	9,540	6,497	—	2,286	14,734	9,617	2,595	1,463	711	
Pacific	993,660	610,331	62,917	57,185	263,227	764,181	347,421	53,719	88,067	154,121	
Washington	158,175	85,697	10,366	10,000	52,112	126,832	42,750	16,219	21,033	28,617	
Oregon	97,980	58,064	11,450	—	28,466	79,388	33,798	11,579	11,819	18,338	
California	737,505	466,570	41,101	47,185	182,649	557,961	270,873	25,921	55,215	107,166	

¹ Balances from 1954, totaling \$3,752,525,000, and miscellaneous current revenues, totaling \$451,783,000.

² Includes disbursements not shown separately and not elsewhere included: For collection and administration of highway-user revenues, \$153,867,000; for nonhighway purposes, \$284,208,000.

³ Expenditures on county roads under State control in Ala. (6 counties), Del., N. C., Va. (all except 2 counties), and W. Va. included with those for State-administered highways.

⁴ Includes some administration, engineering, and miscellaneous disbursements.

⁵ Disbursements for administration, engineering, and miscellaneous; State highway police and safety; bond interest; and bond retirement.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics, 1955*.

No. 687.—FEDERAL AND STATE GASOLINE TAX, BY STATES: 1925 TO 1956
 [Cents per gallon. Where 2 figures appear in a cell, the first is tax in effect at beginning of year, the last is tax at end of year]

STATE	1925	1930	1935	1940	1945	1950	1951	1952	1953	1954	1955	1956 ¹
Federal tax			1	1-1.5	1.5	1.5	1.5-2	2	2	2	2	2-3
State average ²	3.4	3.8	4.0	4.1	4.7	4.7	4.8	5.1	5.2	5.4	5.4	—
Alabama	2	4	6	6	6	6	6	6	6	6-7	7	7
Arizona	3	4	5	5	5	5	5	5	5	5	5	5
Arkansas	4	5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
California	2	3	3	3	3	4.5	4.5	4.5	4.5	4.5	4.5	3.6
Colorado	2	4	4	4	4	6	6	6	6	6	6	6
Connecticut	2	2	2-3	3	3	4	4	4	4	4	4-6	6
Delaware	2	3	3-4	4	4	5	5	5	5	5	5	5
District of Columbia	2	2	2	2	3	4	4	4-5	5	5-6	6	6
Florida	3-4	6	7	7	7	7	7	7	7	7	7	7
Georgia	3	6	6	6	6	7	7	6	6	6-6.5	6.5	6.5
Idaho	2-3	4-5	5	5.1	5.1-6	6	6	6	6	6	6	6
Illinois	—	3	3	3	3	3	3-4	4	5	5	5	5
Indiana	2-3	4	4	4	4	4	4	4	4	4	4	4
Iowa	2	3	3	3	3-4	4	4	4	4	4-5	5	3.5
Kansas	2	3	3	3	3	5	5	5	5	5	5	5
Kentucky	3	5	5	5	5	7	7	7	7	7	7	4.7
Louisiana	2	4-5	5	7	7	9	9	9-7	7	7	7	7
Maine	1-3	4	4	4	4	6	6	6	6	6-7	7	7
Maryland	2	4	4	4	4	5	5	5-6	6	6	6	6
Massachusetts	2-3	3	3	3	3	3	3-4.3	4.3	5	5	5	5
Michigan	2	3	3	3	4	5	5	4.5	4.5	4.5-6	5	5
Minnesota	2	3	3	4-3	4	5	5	5	5	5	5	5
Mississippi	3	5	6	6	6	6-7	7	7	7	3.7	3.7	3.7
Missouri	2	2	2	2	2	2	2	2-3	3	3	3	3
Montana	2	5	5	5	5	6	6	6	6	3.6-7	3.7	3.7
Nebraska	2	4	4-5	5	5	6-5	5	5	5-6	6	6	6
Nevada	2-4	4	4	4	4	4.5	4.5	4.5	4.5	4.5	4.5-5	3.5
New Hampshire	2	4	4	4	4	4	4	4	5	5	5	5
New Jersey	2	3	3	3	3	3	3-6	3	3	3-4	4	4
New Mexico	1-3	5	5	5	5	7	7	6	6	6	6	6
New York	2	3-4	4	4	4	4	4	4	4	3.4	3.4	3.4
North Carolina	3-4	5	6	6	6	7	7	7	7	7	7	7
North Dakota	1	3	3	4	4	4	4-5	5	5	5-6	6	6
Ohio	2	4	4	4	4	4	4	4	4	4-5	5	5
Oklahoma	2, 5-3	4	4	4	4	5.5-7.5	6.5	6.5	6.5	6.5	6.5	6.5
Oregon	3	4	5	5	5	6	6	6	6	6	6	6
Pennsylvania	2	4-3	3-4	4	4	5	5	5	5	5-6	6	6
Rhode Island	1	2	2	3	3	4	4	4	4	4	4	4
South Carolina	3-5	6	6	6	6	6-7	7	7	7	7	7	7
South Dakota	2-3	4	4	4	4	4	4	4-5	5	5	5	5
Tennessee	2-3	5	7	7	7	7	7	7	7	7	7	7
Texas	1	4	4	4	4	4	4	4	4	3.4-5	3.5	3.5
Utah	2, 5-3.5	3.5	4	4	4	4	4	4-5	5	5	5	5
Vermont	1-2	4	4	4	4	4	5	5	5	3.5-5.5	3.5	3.5
Virginia	3	5	5	5	5	6	6	6	6	6	6	6
Washington	2	3	5	5	5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
West Virginia	2, 3.5	4	4	4	4	4	4	4	4	5	5-6	6
Wisconsin	2	2	4	4	4	4	4	4	4	4	4-6	6
Wyoming	1-2.5	4	4	4	4	4	4	4-5	5	5	3.5	3.5

¹ As of August 1. ² Weighted average, based on net gallons taxed.

Diesel fuel tax differs from gasoline tax.

In Kentucky trucks or combinations having more than 3 axles pay 9 cents per gallon, in Virginia all property-carrying vehicles pay 8 cents per gallon, on all motor fuel used.

No. 688.—MOTOR FUEL CONSUMPTION, BY USE: 1940 TO 1955

[In millions of gallons. Excludes exports and Federal purchases for military use. Obtained chiefly from reports of State authorities. See also *Historical Statistics*, series K 233-235, for total highway and nonhighway usage.]

ITEM	1940	1945	1949	1950	1951	1952	1953	1954	1955
Total consumption ¹	24,404	22,304	36,835	40,280	42,951	45,526	47,890	49,636	53,116
Highway	22,001	18,149	32,431	35,658	38,128	40,584	42,732	44,386	47,731
Nonhighway	2,037	2,938	4,009	4,178	4,345	4,453	4,649	4,753	4,835
Passenger vehicles	16,759	14,023	23,045	25,037	26,910	28,735	30,384	31,670	34,319
Passenger cars ²	16,323	13,323	22,873	24,305	26,150	27,969	29,613	30,915	33,548
Buses	436	700	772	732	751	766	771	755	771
Trucks and combinations	5,156	5,055	8,666	10,566	11,171	11,849	12,245	12,541	13,308
Average gallons consumed	680	617	727	723	730	766	757	757	759
Passenger cars ²	594	517	628	603	611	639	637	639	644
Buses	3,050	4,300	4,063	3,752	3,797	3,723	3,156	3,240	3,021
Trucks and combinations	1,095	1,020	1,103	1,257	1,220	1,303	1,279	1,289	1,278
Average mileage per gallon consumed	13.79	13.05	13.14	12.87	12.90	12.65	12.77	12.69	12.67
Passenger cars ²	15.29	14.95	14.97	14.95	14.99	14.67	14.70	14.58	14.55
Buses	6.10	5.48	5.51	5.57	5.48	5.66	5.77	5.84	5.85
Trucks and combinations	9.68	9.08	8.97	8.57	8.49	8.36	8.54	8.44	8.31

¹ Includes losses allowed for evaporation, handling, etc. ² Includes taxicabs.

Source of tables 687 and 688: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

MOTOR VEHICLES

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No. 689.—MOTOR VEHICLES—SUMMARY OF SELECTED ITEMS: 1950 TO 1956

ITEM		1950	1951	1952	1953	1954	1955	1956
SALES, EXPORTS, AND SCRAPPAGE								
Passenger car factory sales, total.....	1,000	6,666	5,338	4,321	6,117	5,550	7,920	5,816
4-door sedans.....	do	3,247	2,684	2,259	3,079	2,593	3,044	2,005
2-door sedans, coaches and coupes ¹	do	2,794	1,828	1,244	1,732	1,403	1,691	1,136
"Hard-top" coupes and sedans.....	do	267	487	540	842	955	2,160	1,824
Convertibles (except "hard-top").....	do	208	143	100	159	156	240	190
Station wagons ²	do	142	179	169	297	349	759	639
Chassis.....	do	9	17	9	8	13	18	14
Exports, total value ³	\$1,000,000	794	1,306	1,124	1,082	1,156	1,307	1,516
Passenger cars.....	do	179	340	244	276	300	380	331
Trucks and buses.....	do	217	387	314	269	332	340	438
Rubber tires and tubes.....	do	47	80	90	72	71	82	100
Parts and accessories ⁴	do	350	499	476	466	453	595	646
Vehicles scrapped, total.....	1,000	3,234	3,774	3,767	4,054	4,379	4,855	4,600
Passenger cars.....	do	2,598	3,122	3,163	3,466	3,833	3,732	4,000
Trucks and buses.....	do	636	652	604	588	546	623	4,600
TIRES AND PARTS								
Tires, passenger car:								
Production.....	1,000	78,598	65,546	74,341	81,431	76,794	97,223	85,546
Shipments.....	do	84,423	61,678	70,305	79,779	77,713	98,730	85,000
Original equipment.....	do	36,678	26,729	24,106	33,098	29,741	42,574	30,874
Replacement.....	do	47,103	34,226	45,458	45,874	47,044	50,189	53,252
Export.....	do	642	723	741	806	928	966	875
Inventory, year-end.....	do	3,050	6,973	11,251	13,043	12,217	15,063	16,494
Tires, truck and bus:								
Production.....	do	14,156	17,859	16,070	14,690	12,347	14,955	14,895
Shipments.....	do	15,164	16,764	15,041	14,880	12,528	14,769	14,325
Original equipment.....	do	4,671	5,424	5,378	4,838	3,501	4,800	4,548
Replacement.....	do	9,705	10,386	8,884	9,317	8,111	9,057	8,894
Export.....	do	788	954	779	734	826	912	883
Inventory, year-end.....	do	743	1,791	2,859	2,063	2,545	2,815	3,378
Domestic sales of replacement parts and accessories (wholesale value) ⁵	\$1,000,000	1,882	2,399	2,164	1,892	1,083	1,805	1,854
Auto battery shipments for replacement, United States.....	1,000	24,442	22,219	22,453	23,614	23,771	25,828	4,25,014
EMPLOYMENT AND PAY								
Total employment in automotive manufacturing plants.....	number	\$25,200	844,500	790,200	928,000	775,600	896,500	791,300
Average employment, production workers.....	do	701,600	707,900	644,400	767,100	624,400	740,400	633,200
Total payrolls, production workers.....	\$1,000,000	2,672	2,777	2,775	3,508	2,887	3,765	3,132
Average weekly earnings.....	dollars	73.25	75.45	82.82	87.95	88.91	97.78	95.11
Average weekly hours.....	hours	41.2	39.5	40.6	41.1	40.6	42.7	40.3
Average hourly earnings.....	dollars	1.778	1.912	2.04	2.14	2.19	2.20	2.36
SPECIAL MOTOR-VEHICLE TAXES								
Special motor-vehicle taxes, total.....	\$1,000,000	4,359	4,704	5,331	5,993	6,304	7,296	4,7,600
Federal excise.....	do	1,479	1,548	1,867	2,183	2,204	2,736	(*)
State gross registration receipts.....	do	948	1,054	1,134	1,250	1,334	1,483	1,592
State gasoline, net.....	do	1,667	1,813	1,968	2,155	2,306	2,543	(*)
Special city and county.....	do	107	122	157	183	216	250	(*)
Bridge, tunnel, ferry, road tolls.....	do	157	168	206	221	244	285	(*)
TRAFFIC DEATHS								
Traffic deaths, total ⁷	number	34,763	36,996	37,794	37,955	35,586	38,300	4,40,200
Noncollision accidents.....	do	10,950	11,600	12,850	13,050	12,550	13,500	(*)
Collision accidents:								
With other motor vehicles.....	do	11,250	12,600	12,900	12,600	11,750	13,000	(*)
With pedestrians.....	do	9,100	9,200	8,600	8,700	8,000	8,200	(*)
With other vehicles or objects.....	do	3,490	3,569	3,461	3,582	3,277	3,598	(*)
Traffic death rates:								
Per 100,000 population.....	do	23.0	24.1	24.3	24.0	22.1	23.3	(*)
Per 10,000 motor vehicles.....	do	7.2	7.2	7.2	6.8	6.1	6.2	(*)
Per 100 million vehicle miles.....	do	7.6	7.5	7.4	7.0	6.3	6.4	(*)

¹ Includes business coupes.² Excludes station wagons on commercial vehicle chassis.³ Includes used passenger cars and trucks, trailers, parts for assembly, garage equipment.⁴ Preliminary.⁵ Not available.⁶ Government purchases not included. Estimates based on Federal excise tax receipts.⁷ Totals do not equal the sum of the various types because the estimates were generally made only to the nearest 10 deaths, and to the nearest 50 deaths for certain types.

No. 690.—MOTOR-VEHICLE TRAVEL, BY TYPE OF VEHICLE AND CLASS OF ROAD: 1940 TO 1955

[In millions of vehicle-miles, except averages. Estimates for total United States travel based on automatic traffic recorder data from 48 States. See also *Historical Statistics Series K 236-238b*.]

ITEM	1940	1945	1950	1951	1952	1953	1954	1955
Total travel	302,188	250,173	458,246	491,093	513,581	544,433	560,857	603,434
Rural	152,195	120,012	239,998	268,422	289,463	308,375	317,218	336,153
Urban	149,993	130,161	218,248	222,671	224,118	230,058	243,630	267,281
TYPE OF VEHICLE								
Passenger vehicles	252,257	204,232	367,694	396,249	414,521	439,800	455,013	492,047
Rural	121,982	92,831	218,207	207,579	224,534	240,046	248,844	265,657
Urban	130,269	111,401	184,476	188,670	189,087	199,754	206,169	226,380
Passenger cars (incl. taxicabs)	249,600	200,308	363,613	392,131	410,187	435,351	450,605	487,540
Rural	120,540	90,926	181,095	205,375	222,064	237,567	246,300	263,088
Urban	129,060	109,472	182,518	186,756	188,123	197,784	204,305	224,452
All buses	2,657	3,834	4,081	4,118	4,334	4,449	4,408	4,507
Rural	1,448	1,905	2,123	2,204	2,470	2,479	2,544	2,579
Urban	1,209	1,929	1,958	1,914	1,864	1,970	1,864	1,928
Commercial buses	1,944	3,102	3,271	3,203	3,194	3,311	3,196	3,256
Rural	808	1,328	1,394	1,381	1,444	1,455	1,453	1,452
Urban	1,136	1,864	1,877	1,822	1,750	1,856	1,743	1,804
School and nonrevenue buses	713	642	810	915	1,140	1,138	1,212	1,251
Rural	640	577	729	823	1,026	1,024	1,001	1,127
Urban	73	65	81	92	114	114	121	124
Trucks and combinations	49,931	45,941	60,552	94,844	99,060	104,633	105,844	111,387
Rural	30,207	27,181	56,780	60,843	64,929	68,320	68,374	70,486
Urban	19,724	18,760	33,772	34,001	34,131	36,304	37,470	40,901
Average miles per vehicle:								
Passenger vehicles	9,129	7,870	9,078	9,208	9,442	9,417	9,354	9,409
Passenger cars (incl. taxicabs)	9,080	7,771	9,020	9,154	9,378	9,370	9,308	9,359
All buses	18,580	23,521	20,910	20,820	21,062	18,234	18,918	17,658
Commercial buses	36,000	38,434	36,500	35,198	37,568	32,782	38,506	34,035
School and nonrevenue buses	8,011	8,025	7,775	8,551	9,441	7,958	8,080	7,836
Trucks and combinations	10,026	9,270	10,776	10,790	10,940	10,927	10,883	10,697
CLASS OF ROAD								
Rural roads	152,195	120,012	239,998	268,422	289,463	308,375	317,218	336,153
Eastern regions	53,827	37,190	75,961	89,775	97,304	101,565	104,820	113,235
Central regions	75,067	61,217	121,667	132,094	140,583	150,797	154,286	161,496
Western regions	23,301	21,605	42,370	46,553	51,576	56,013	58,112	61,422
Main rural roads	109,861	85,021	174,350	189,650	203,101	213,604	217,050	227,988
Local rural roads	42,334	34,091	65,648	78,772	86,362	94,771	100,159	108,165
Urban streets	149,993	130,161	218,248	222,671	224,118	236,058	243,630	267,281

Source: Department of Commerce, Bureau of Public Roads; releases.

No. 691.—MOTOR VEHICLES—FACTORY SALES AND REGISTRATIONS: 1900 TO 1956

[See also *Historical Statistics, series K 225-232*.]

YEAR	FACTORY SALES						REGISTRATIONS (1,000)		
	Number (1,000)			Wholesale value ² (\$1,000)			Total (excl. publicly owned)	Passen- ger cars and taxis ³	Motor- trucks and buses ³
	Total	Passen- ger cars	Motor- trucks ¹	Total	Passen- ger cars	Motor- trucks ¹			
1900	4	4	—	4,899	4,899	—	8	8	—
1910	187	181	6	225,000	215,340	9,660	468	458	—
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,239	8,131	1,108
1930	3,363	2,787	575	2,034,835	1,644,083	390,752	26,532	22,973	3,559
1940	4,472	3,717	755	2,938,474	2,370,654	567,820	32,035	27,372	4,663
1945	725	70	656	1,230,210	57,255	1,181,956	30,638	25,601	4,947
1950	8,003	6,666	1,337	10,175,885	8,408,137	1,707,748	48,567	40,185	8,382
1952	5,539	4,321	1,218	8,774,903	6,455,114	2,319,739	52,616	43,654	8,962
1953	7,323	6,117	1,206	11,091,640	9,002,580	2,089,080	55,593	46,289	9,304
1954	6,601	5,559	1,042	9,878,113	8,218,094	1,660,019	57,876	48,824	9,552
1955	9,169	7,920	1,249	14,473,844	12,492,871	2,020,973	62,020	51,989	10,031
1956	6,921	5,816	1,104	11,831,000	9,755,000	2,076,000	64,437	54,133	10,304

¹ Includes buses. A substantial part of the trucks and buses reported comprises chassis without body; hence excludes the value of bodies for these chassis. Includes military trucks; total sales for the period Sept. 1, 1939, through 1946, amounted to 2,575,000, valued at \$5,257,588,000. Production for the period Jan. 1, 1940, through 1946 was 2,601,000.

² Beginning 1927, includes value of standard equipment.

³ Prior to 1925, buses included with passenger cars. Beginning 1950, motortrucks exclude farm trucks registered at a nominal fee in 5 States. ⁴ Partly estimated.

Source: Factory sales—Automobile Manufacturers Association, Detroit, Mich.; *Automobile Facts and Figures*. Registrations—Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 692.—MOTOR-VEHICLE REGISTRATIONS (COMBINED FIGURES FOR PASSENGER CARS, BUSES, AND MOTOR TRUCKS), BY STATES: 1915 TO 1956

[In thousands. Excludes publicly owned vehicles. For uniformity, figures have been adjusted to a calendar-year basis as registration years in States differ. Figures represent net numbers where possible, excluding registrations and non-resident registrations]

DIVISION AND STATE	1915	1920	1925	1930	1935	1940	1945	1950	1955	1956
United States	2,491	9,239	19,941	26,532	26,230	32,035	30,638	48,567	62,020	64,437
New England	206	573	1,281	1,699	1,682	2,020	1,967	2,784	3,409	3,578
Maine	22	63	140	186	181	206	207	272	318	340
New Hampshire	13	35	81	112	117	135	128	160	208	220
Vermont	11	32	70	87	82	94	90	119	135	140
Massachusetts	103	274	637	846	786	904	859	1,266	1,530	1,601
Rhode Island	16	50	102	137	149	187	178	249	306	315
Connecticut	41	119	251	331	367	494	505	709	913	962
Middle Atlantic	497	1,474	3,537	4,921	4,964	5,976	5,311	8,235	10,338	10,722
New York	255	676	1,626	2,308	2,331	2,743	2,330	3,693	4,592	4,751
New Jersey	82	228	581	853	888	1,087	1,026	1,564	2,041	2,126
Pennsylvania	160	570	1,330	1,760	1,745	2,146	1,961	2,978	3,705	3,846
East North Central	667	2,229	4,917	6,383	6,085	7,298	6,884	10,419	12,938	13,409
Ohio	181	621	1,346	1,759	1,715	1,919	1,905	2,768	3,492	3,645
Indiana	97	333	725	875	851	1,000	984	1,424	1,760	1,849
Illinois	181	569	1,263	1,638	1,526	1,926	1,721	2,632	3,244	3,382
Michigan	115	413	899	1,328	1,239	1,552	1,454	2,409	3,086	3,108
Wisconsin	98	298	594	783	754	901	820	1,186	1,367	1,426
West North Central	500	1,782	2,942	3,682	3,494	3,960	3,663	5,437	6,328	6,487
Minnesota	93	324	570	733	727	871	750	1,158	1,351	1,411
Iowa	145	437	659	778	699	794	693	1,060	1,182	1,189
Missouri	76	297	604	762	766	922	854	1,252	1,478	1,544
North Dakota	25	91	145	183	164	182	181	273	305	307
South Dakota	29	120	168	205	179	196	179	287	321	321
Nebraska	59	219	339	426	406	412	406	563	655	651
Kansas	73	294	457	595	553	583	600	844	1,034	1,064
South Atlantic	161	806	1,920	2,518	2,657	3,408	3,453	5,822	8,045	8,516
Delaware	5	18	40	56	57	72	68	107	152	162
Maryland	31	103	234	322	346	444	459	679	931	986
District of Columbia	10	34	103	157	171	162	111	191	192	196
Virginia	21	115	253	376	386	500	548	906	1,226	1,296
West Virginia	13	81	218	266	248	303	284	475	544	573
North Carolina	21	141	340	453	463	592	606	1,036	1,410	1,488
South Carolina	15	94	168	218	236	337	336	570	768	796
Georgia	25	146	248	342	394	503	523	888	1,225	1,258
Florida	11	74	286	328	356	495	518	971	1,507	1,761
East South Central	68	358	879	1,215	1,129	1,513	1,517	2,768	3,827	3,890
Kentucky	20	113	262	331	346	464	435	774	1,023	1,059
Tennessee	26	102	245	368	352	450	460	842	1,151	1,114
Alabama	12	75	195	279	245	340	359	675	1,027	1,069
Mississippi	10	68	177	287	186	259	263	477	626	647
West South Central	84	773	1,794	2,411	2,360	2,891	2,767	4,918	6,347	6,529
Arkansas	8	59	184	220	207	257	275	471	577	601
Louisiana	11	73	207	275	269	365	404	699	941	999
Oklahoma	25	213	424	550	502	575	505	819	1,010	1,037
Texas	40	428	979	1,366	1,382	1,694	1,583	2,920	3,818	3,892
Mountain	81	371	677	964	959	1,239	1,193	2,039	2,750	2,878
Montana	15	61	95	135	150	191	157	259	330	340
Idaho	7	51	82	119	118	163	151	267	332	331
Wyoming	4	24	48	62	70	86	82	142	170	172
Colorado	29	129	240	309	285	352	342	556	728	764
New Mexico	7	18	49	84	92	125	118	233	334	345
Arizona	8	35	68	111	103	138	143	264	407	442
Utah	9	43	74	114	106	140	154	243	330	347
Nevada	2	10	21	30	35	44	46	75	120	137
Pacific	227	873	1,994	2,739	2,900	3,730	3,883	6,145	8,039	8,428
Washington	39	174	329	446	454	562	614	903	1,137	1,179
Oregon	24	115	217	252	204	394	414	678	791	793
California	164	584	1,448	2,041	2,152	2,774	2,855	4,564	6,111	6,456

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

ROADS AND MOTOR VEHICLES

No. 693.—MOTOR-VEHICLE REGISTRATIONS AND REVENUES, BY STATES: 1955

DIVISION AND STATE	MOTOR VEHICLES REGISTERED				Trailers registered (including official) ²	Motorcycles registered (including official) ¹	RECEIPTS FROM MOTOR-VEHICLE ADMINISTRATION (\$1,000)			
	Total	Private and commercial		Publicly owned vehicles, Federal, State, county, etc. ¹			Total ³	Registration fees ⁴		
		Automobiles (incl. taxicabs)	Trucks and buses							
United States	62,760,393	51,989,027	10,031,316	740,052	3,261,762	412,377	1,482,612	1,162,277		
New England	3,447,044	2,975,845	433,151	38,048	176,426	14,199	65,793	45,874		
Maine	322,674	251,235	56,890	4,549	5,27,709	1,448	8,127	6,602		
New Hampshire	212,452	172,514	35,112	4,326	15,031	1,483	5,423	4,852		
Vermont	136,307	61,20,231	6 14,558	1,418	8,356	814	5,536	4,888		
Massachusetts	1,546,234	1,354,555	175,046	16,633	80,184	4,643	23,871	14,284		
Rhode Island	308,148	269,208	36,468	2,472	12,882	1,650	6,032	4,992		
Connecticut	921,229	808,102	104,977	8,150	32,264	4,161	16,754	10,166		
Middle Atlantic	10,440,951	9,114,988	1,222,584	103,379	297,773	54,623	262,662	197,871		
New York	4,642,723	4,115,895	476,069	50,764	136,871	20,661	132,187	97,996		
New Jersey	2,060,963	1,800,663	240,018	20,282	42,089	10,413	59,438	43,090		
Pennsylvania	3,737,260	3,198,430	506,497	32,338	118,813	23,549	71,037	56,785		
East North Central	13,057,129	11,251,437	1,686,267	119,425	770,547	95,995	294,468	253,594		
Ohio	3,525,949	3,090,310	401,692	33,947	220,887	26,531	85,403	65,308		
Indiana	1,762,750	1,447,007	302,746	12,997	145,711	17,574	33,327	27,149		
Illinois	3,268,398	2,851,859	392,017	24,522	90,161	23,263	75,778	69,543		
Michigan	3,114,101	2,726,480	359,036	28,588	291,342	19,269	64,631	57,844		
Wisconsin	1,385,931	1,135,781	230,776	19,374	22,046	9,358	35,329	33,750		
West North Central	6,393,399	4,998,414	1,329,576	65,400	468,372	40,519	152,260	132,352		
Minnesota	1,304,868	1,114,169	257,300	13,394	142,984	9,696	32,996	30,645		
Iowa	1,194,864	988,643	213,490	12,731	115,460	8,994	40,473	38,315		
Missouri	1,490,050	1,173,064	305,095	11,897	87,575	6,816	30,646	27,321		
North Dakota	308,599	209,162	96,192	3,245	3,948	917	8,298	6,696		
South Dakota	325,214	237,138	83,748	4,328	36,527	1,602	9,228	6,959		
Nebraska	602,030	503,833	151,664	6,532	62,548	4,281	11,702	9,183		
Kansas	1,047,764	792,405	242,087	13,272	19,330	8,213	18,857	13,253		
South Atlantic	8,188,421	6,666,234	1,378,518	113,669	393,132	57,011	165,317	123,916		
Delaware	153,881	120,324	31,847	1,710	8,306	715	3,515	2,877		
Maryland	938,205	801,138	130,000	7,157	24,354	4,782	27,765	12,880		
District of Columbia	197,051	171,231	20,687	7 5,133	1,791	639	9,995	5,604		
Virginia	1,242,922	1,014,267	211,804	16,851	51,015	9,674	20,456	16,609		
West Virginia	552,338	427,131	116,710	8,497	17,014	2,801	18,712	12,585		
North Carolina	1,437,177	1,141,700	267,811	27,606	96,003	7,794	29,399	26,937		
South Carolina	782,187	635,745	132,224	14,218	12,708	4,922	7,981	6,078		
Georgia	1,298,918	986,273	239,216	13,429	45,006	7,764	7,974	7,370		
Florida	1,615,652	1,368,365	228,219	19,068	136,935	17,920	39,520	32,916		
East South Central	3,878,485	3,021,457	806,000	51,028	61,254	20,084	63,542	41,159		
Kentucky	1,032,405	817,745	205,304	9,356	8 19	5,296	19,078	7,278		
Tennessee	1,168,295	920,946	230,322	17,027	3,782	5,623	24,497	19,154		
Alabama	1,041,241	831,901	195,035	14,305	17,384	7,041	9,993	5,827		
Mississippi	636,544	450,805	175,339	10,340	40,069	2,124	9,974	8,894		
West South Central	6,430,691	4,949,158	1,397,631	83,902	314,563	46,697	156,602	118,114		
Arkansas	584,250	398,537	178,553	7,160	34,054	2,267	11,754	10,287		
Louisiana	951,671	748,746	192,601	10,324	51,946	5,738	11,840	8,795		
Oklahoma	1,025,738	758,555	251,691	15,542	18,201	9,120	30,751	25,692		
Texas	3,868,982	3,043,320	774,786	50,876	210,362	20,572	102,257	72,340		
Mountain	2,799,274	2,084,577	665,099	49,598	183,070	18,936	56,174	31,867		
Montana	336,094	229,471	100,073	6,550	24,136	1,216	7,100	5,650		
Idaho	337,514	241,178	90,387	5,949	43,760	2,012	5,904	3,836		
Wyoming	173,589	117,696	51,972	3,921	16,590	788	4,110	1,696		
Colorado	737,408	564,390	163,266	9,752	36,800	4,467	14,039	5,155		
New Mexico	340,206	249,968	83,839	6,348	16,150	4,156	8,974	6,364		
Arizona	414,638	320,080	86,564	7,904	30,049	3,692	7,991	4,058		
Utah	336,157	265,015	62,228	5,914	6,057	1,366	4,621	3,726		
Nevada	123,008	93,778	26,720	3,170	9,528	1,239	3,435	1,382		
Pacific	8,155,010	6,926,917	1,112,490	115,603	596,625	64,313	265,794	217,536		
Washington	1,163,544	929,390	207,958	26,196	75,276	5,304	33,165	28,119		
Oregon	802,444	672,708	68,433	11,303	24,777	5,433	25,045	11,076		
California	6,189,022	5,274,819	836,099	78,104	496,572	53,576	206,984	178,341		

¹ Excludes vehicles owned by military services.² As reported. State registration requirements differ widely.³ Comprises registration fees, certificates of title, transfer or registration fees, permits, fines, etc.; excludes motor-fuel and motor-carrier taxes; for California, includes \$87,981,877 vehicle license fees and for Washington, \$14,801,300 motor-vehicle excise taxes.⁴ Comprises fees for registration of automobiles (including taxicabs), buses, trucks and tractor trucks, trailers, and motorcycles. ⁵ Commercial full trailers included with trucks.⁶ In Vermont, trucks under 1,500 pounds capacity, and in Oregon, trucks with gross weight of 6,000 pounds or less, included with automobiles; in most States, similar light trucks comprise half or more of all trucks registered.⁷ Includes 1,026 automobiles of the diplomatic corps.⁸ Represents publicly owned only. Heavy semitrailers registered with tractors (as a unit). Automobile trailers not required to register.Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics, 1955*.

No. 694.—AUTOMOBILE OWNERSHIP, AGE, AND FINANCING: 1948 TO 1956

ITEM		1948	1950	1951	1952	1953	1954	1955	1956
AUTOMOBILE OWNERSHIP AND AGE									
Total number of families in U. S. ¹	millions	42.7	45.7	46.3	47.2	48.0	48.5	49.2	50.4
Total owning automobiles.....	percent	54	60	65	65	65	70	71	72
Total number of spending units in U. S. ¹	millions	48.8	52.6	52.4	53.0	53.9	54.0	54.2	55.0
Total owning automobiles.....	percent	50	55	60	60	61	66	67	70
Automobiles owned, by age:									
1 year old or less.....	do.....		17	17	14	11	13	12	16
2 to 3 years old.....	do.....		19	22	30	31	23	22	21
4 to 7 years old.....	do.....		6	14	20	30	40	43	41
7 years old or more.....	do.....		58	47	36	28	24	23	22
METHOD OF FINANCING BY PURCHASERS²									
All passenger-car buyers.....	percent	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance).....	do.....	59	47	44	35	38	37	39	39
Installment credit and other borrowing.....	do.....	39	52	55	63	61	62	60	
Method not ascertained.....	do.....	2	1	1	2	1	1	1	
New-passenger-car buyers.....	do.....	100	100	100	100	100	100	100	
Full cash (including trade-in allowance).....	do.....	66	54	52	41	40	38	39	
Installment credit and other borrowing.....	do.....	33	46	47	57	59	62	60	
Method not ascertained.....	do.....	1	(4)	1	2	1	(4)	1	
Used-passenger-car buyers.....	do.....	100	100	100	100	100	100	100	
Full cash (including trade-in allowance).....	do.....	55	41	39	33	37	36	38	
Installment credit and other borrowing.....	do.....	42	57	60	65	62	63	61	
Method not ascertained.....	do.....	3	2	1	2	1	1	1	

¹ For definitions of families and spending units, see headnotes, tables 382 and 378, respectively.² Based on spending units that bought cars during year and still owned them at end of year.³ Not available. ⁴ Less than 0.05 percent.

Source: Board of Governors of the Federal Reserve System. Based on sample data from Surveys of Consumer Finances, conducted by Survey Research Center of University of Michigan for Board of Governors. Data appear periodically in *Federal Reserve Bulletin*.

No. 695.—AUTOMOBILE INSURANCE—PREMIUMS WRITTEN AND LOSSES PAID, BY TYPE: 1947 TO 1956

[In millions of dollars. 1947 to 1952, net basis; beginning 1953, direct writing basis]

YEAR	TOTAL INSURANCE			LIABILITY			PROPERTY DAMAGE ¹			PHYSICAL DAMAGE ²		
	Net premiums written	Losses paid	Percent losses paid of premiums written	Net premiums written	Losses paid	Percent losses paid of premiums written	Net premiums written	Losses paid	Percent losses paid of premiums written	Net premiums written	Losses paid	Percent losses paid of premiums written
1947....	1,657	673	40.6	636	235	36.9	289	138	37.9	732	300	41.0
1948....	2,019	802	39.7	744	286	38.4	366	171	46.9	910	345	37.9
1949....	2,332	901	38.7	879	343	39.0	453	205	45.3	999	353	41.0
1950....	2,625	1,069	40.7	931	396	42.5	482	231	47.9	1,212	442	36.5
1951....	2,995	1,406	47.0	1,126	493	43.8	575	313	54.5	1,294	600	46.3
1952....	3,608	1,646	45.6	1,332	569	42.7	715	369	51.5	1,561	708	45.4
1953....	4,165	1,810	43.5	1,562	661	42.3	833	374	44.9	1,770	775	43.8
1954....	4,175	1,869	44.8	1,642	746	45.4	877	387	44.1	1,656	736	44.4
1955....	4,644	2,122	45.7	1,735	820	47.3	896	415	46.3	2,013	887	43.6

¹ Refers to insurance covering real property against damage by motor vehicles.² Refers to insurance covering auto fire, auto theft, auto collision, and auto comprehensive.

Source: The Spectator, Philadelphia, Pa.; *Insurance Yearbook*, Fire and Casualty Volume; and beginning 1953, Insurance by States Volume.

No. 696.—SPEED OF MOTOR VEHICLES: 1945 TO 1956

[Based on actual speed of each vehicle recorded on tangent sections of main rural highways during off-peak hours]

ITEM	1945 ¹	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Number of vehicles recorded.....1,000.....	96	132	164	223	280	273	341	241	236	395	381
Average speed, all vehicles.....m. p. h.....	44.0	46.0	47.7	47.6	47.6	48.0	49.5	49.7	49.7	50.7	50.5
Passenger cars.....do.....	45.0	48.1	48.8	48.7	48.7	50.1	50.8	51.1	51.1	52.1	51.8
Trucks.....do.....	39.8	42.5	43.1	43.5	43.0	44.4	45.0	44.9	45.2	45.8	46.2
Buses.....do.....	45.5	48.4	50.0	50.3	49.8	51.2	52.1	51.5	51.8	52.6	52.3
Vehicles exceeding.....											
40 m. p. h.....percent.....	64	75	77	78	77	82	84	85	86	87	87
45 m. p. h.....do.....	42	56	59	60	58	63	68	69	69	73	72
50 m. p. h.....do.....	24	34	36	38	37	42	45	47	46	51	49
55 m. p. h.....do.....	11	18	20	21	20	24	26	27	26	31	30
60 m. p. h.....do.....	5	8	9	9	8	11	12	13	12	15	14

¹ August 15 to December 31.

Source: Department of Commerce, Bureau of Public Roads

No. 697.—MOTOR-VEHICLE ACCIDENT DEATHS BY AGE, COLOR, AND SEX: 1955

AGE	TOTAL			WHITE			NONWHITE		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All ages	38,426	28,803	9,623	33,854	25,336	8,518	4,572	3,467	1,105
Under 5 years	1,875	1,044	831	1,584	883	701	291	161	130
5 to 9 years	1,418	920	489	1,224	809	415	194	120	74
10 to 14 years	988	701	287	887	629	258	101	72	29
15 to 19 years	3,809	2,877	932	3,489	2,655	854	320	242	78
20 to 24 years	4,847	4,107	740	4,279	3,646	633	568	461	107
25 to 34 years	6,470	5,219	1,251	5,526	4,463	1,068	944	756	188
35 to 44 years	4,978	3,870	1,108	4,232	3,287	945	746	583	163
45 to 54 years	4,286	3,164	1,122	3,692	2,700	992	594	464	130
55 to 64 years	4,086	2,904	1,182	3,663	2,582	1,081	423	322	101
65 years and over	6,624	3,955	1,669	5,242	3,675	1,567	382	280	102
Not stated	45	33	12	36	27	9	9	6	3

No. 698.—MOTOR-VEHICLE ACCIDENT DEATHS, BY PLACE OF DEATH AND PLACE OF RESIDENCE: 1950 TO 1955

STATE	BY PLACE OF DEATH						BY PLACE OF RESIDENCE					
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
U. S.	34,763	36,996	37,794	37,955	35,586	38,426	34,763	36,996	37,794	37,955	35,586	38,426
Ala.	859	869	817	849	776	859	855	872	829	870	805	864
Ariz.	333	430	412	411	441	384	273	332	379	354	360	335
Ark.	365	421	482	456	408	447	383	454	484	457	420	407
Calif.	3,082	3,482	3,594	3,475	3,168	3,524	3,171	3,630	3,674	3,518	3,266	3,609
Colo.	415	372	408	380	414	455	408	368	388	347	408	406
Conn.	287	271	238	299	264	358	291	271	252	301	270	351
Del.	84	85	84	116	103	112	80	83	71	105	83	104
D. C.	102	101	77	109	83	99	134	143	119	134	106	119
Fla.	882	895	931	966	1,004	1,048	842	831	906	901	915	977
Ga.	928	998	1,015	952	1,005	1,122	906	1,024	967	943	952	1,094
Idaho	243	228	216	205	240	184	226	211	193	198	235	181
Ill.	1,953	1,906	2,084	2,082	1,714	1,877	2,042	1,904	2,200	2,227	1,839	1,994
Ind.	1,136	1,305	1,299	1,318	1,119	1,189	1,087	1,239	1,245	1,244	1,067	1,148
Iowa	620	610	531	603	613	613	634	620	536	601	630	636
Kansas	546	632	585	590	634	613	529	602	555	557	617	587
KY.	753	797	899	914	807	907	722	768	829	827	780	862
La.	585	649	669	705	634	703	551	634	649	691	610	677
Maine	161	164	149	190	152	177	155	175	149	202	155	176
Md.	480	508	538	516	511	500	442	476	513	494	501	498
Mass.	492	548	494	538	555	621	544	606	549	589	597	675
Mich.	1,627	1,703	1,767	1,928	1,830	2,036	1,692	1,881	1,865	2,035	1,911	2,145
Minn.	558	642	567	605	667	613	587	647	605	693	691	632
Miss.	525	549	546	553	461	562	519	529	504	540	447	544
Mo.	902	1,022	1,065	1,051	1,023	1,079	942	1,010	1,110	1,067	995	1,084
Mont.	209	189	249	253	229	244	191	187	241	233	219	239
Nebr.	317	352	326	349	339	331	305	358	313	340	340	337
Nev.	122	141	152	161	155	186	81	94	84	117	88	123
N. H.	103	89	87	101	89	110	96	76	84	92	87	103
N. J.	715	797	867	816	828	815	646	740	855	780	765	767
N. Mex.	340	392	398	427	394	383	263	322	296	315	291	295
N. Y.	1,961	2,083	2,086	2,238	2,080	2,163	2,098	2,244	2,239	2,403	2,222	2,310
N. C.	1,153	1,204	1,189	1,184	1,062	1,222	1,113	1,159	1,190	1,161	1,074	1,217
N. Dak.	105	152	160	169	157	153	111	161	155	178	158	171
Ohio	1,850	1,900	2,112	2,094	1,000	2,089	1,892	1,915	2,167	2,113	1,949	2,137
Oklta.	504	563	570	534	567	569	510	551	588	581	672	603
Oreg.	461	462	486	423	446	434	465	467	475	416	421	434
Pa.	1,656	1,716	1,779	1,780	1,662	1,872	1,744	1,794	1,863	1,772	1,948	
R. I.	87	69	75	75	68	94	89	87	79	83	79	98
S. C.	627	702	770	739	571	696	633	660	713	706	550	679
S. Dak.	198	168	175	186	188	200	196	198	174	192	172	200
Tenn.	801	857	817	886	769	968	778	807	789	837	775	913
Tex.	2,499	2,668	2,030	2,417	2,498	2,602	2,498	2,659	2,592	2,471	2,520	2,599
Utah	199	220	258	226	222	211	202	205	241	205	211	192
Vt.	69	85	73	77	64	87	82	87	78	66	54	82
Va.	929	1,047	970	909	826	909	857	920	852	879	775	830
Wash.	534	576	585	536	455	514	548	595	625	644	488	545
W. Va.	400	395	422	457	366	398	422	454	457	459	374	410
Wis.	857	810	921	906	866	954	806	803	922	900	851	910
Wyo.	149	172	160	166	159	145	117	129	111	126	119	114

Source of tables 697 and 698: Department of Health, Education, and Welfare, Public Health Service, National Office of Vital Statistics; annual report, *Vital Statistics of the United States*.